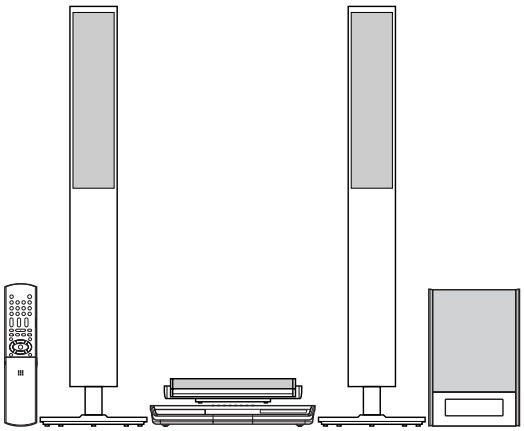
English

Français

NETWORK MEDIA SYSTEM
SYSTÈME MÉDIA RÉSEAU

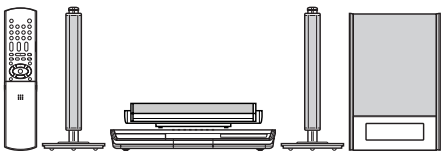
DD-8

Consists of CA-DD8, SP-PWDD8, SP-DD8F and SP-DD8S
Se compose de CA-DD8, SP-PWDD8, SP-DD8F et SP-DD8S



DD-3

Consists of CA-DD3, SP-PWDD3, SP-DD3F and SP-DD8S
Se compose de CA-DD3, SP-PWDD3, SP-DD3F et SP-DD8S



Digital Direct Progressive Scan AV COMPU LINK

DVD VIDEO DIVX HOME THEATER DIVX CERTIFIED VIDEO HDMI MPEG-4 ASF PLAYBACK COMPACT disc SUPER VIDEO DOLBY DIGITAL PRO LOGIC II DIGITAL dts SURROUND

INSTRUCTIONS
MANUEL D'INSTRUCTIONS

For Customer Use:
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

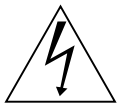
Model No. _____

Serial No. _____

LVT1546-001A
[J]

(For U.S.A.)

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

ATTENTION: POUR ÉVITER TOUT RISQUE D'ÉLECTROCUTION,
NE PAS OUVRIR LE BOÎTIER.
AUCUNE PIÈCE INTÉRIEURE N'EST À RÉGLER PAR L'UTILISATEUR.
SE RÉFÉRER À UN AGENT QUALIFIÉ EN CAS DE PROBLÈME.

Le symbole de l'éclair à l'intérieur d'un triangle équilatéral est destiné à alerter l'utilisateur sur la présence d'une "tension dangereuse" non isolée dans le boîtier du produit. Cette tension est suffisante pour provoquer l'électrocution de personnes.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est destiné à alerter l'utilisateur sur la présence d'opérations d'entretien importantes au sujet desquelles des renseignements se trouvent dans le manuel d'instructions.

(For U.S.A.)

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

(For U.S.A.)

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

For Canada/pour le Canada

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE INTERFERENCE-CAUSING EQUIPMENT STANDARD ENTITLED "DIGITAL APPARATUS", ICES-003 OF THE DEPARTMENT OF COMMUNICATIONS.

CET APPAREIL NUMERIQUE RESPECTE LES LIMITES DE BRUITS RADIOELECTRIQUES APPLICABLES AUX APPAREILS NUMIRIQUES DE CLASSE B PRESCRITES DANS LA NORME SUR LE MATERIEL BROUILLEUR: "APPAREILS NUMERIQUES", NMB-003 EDICTEE PAR LE MINISTRE DES COMMUNICATIONS.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

ATTENTION

Afin d'éviter tout risque d'électrocution, d'incendie, etc.:

1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

CAUTION

- Do not block the ventilation openings or holes.
  (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

ATTENTION

- Ne bloquez pas les orifices ou les trous de ventilation.
  (Si les orifices ou les trous de ventilation sont bloqués par un journal un tissu, etc., la chaleur peut ne pas être évacuée correctement de l'appareil.)
- Ne placez aucune source de flamme nue, telle qu'une bougie, sur l'appareil.
- Lors de la mise au rebut des piles, veuillez prendre en considération les problèmes de l'environnement et suivre strictement les règles et les lois locales sur la mise au rebut des piles.
- N'exposez pas cet appareil à la pluie, à l'humidité, à un égouttement ou à des éclaboussures et ne placez pas des objets remplis de liquide, tels qu'un vase, sur l'appareil.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

IMPORTANT POUR PRODUITS LASER

1. PRODUIT LASER CLASSE 1
2. **ATTENTION:** N'ouvrez pas le couvercle supérieur. Il n'y a aucune pièce réparable par l'utilisateur à l'intérieur de l'appareil; confiez toute réparation à un personnel qualifié.
3. **ATTENTION:** Rayonnement laser visible et/ou invisible de classe 1M une fois ouvert. Ne pas regarder directement dans le faisceau avec des instruments optiques.
4. REPRODUCTION DE L'ÉTIQUETTE: ÉTIQUETTE DE PRÉCAUTION PLACÉE À L'INTERIEUR DE L'APPAREIL.

CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)
ATTENTION
RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)
AVISO
RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)
VARNING
SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)
注意
ここを開くと可視及び/または不可視のクラス1Mレーザー放射が出ます。光学装置で直接見ないでください。 (JPN)
CAUTION
VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44603-003A

CAUTION: Proper Ventilation

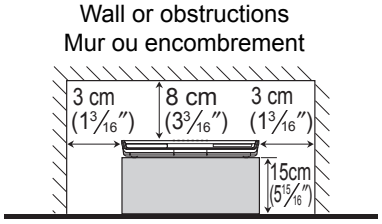
To avoid risk of electric shock and fire and to protect from damage, place the apparatus on a level surface. The minimal clearances are shown below:

MISE EN GARDE: Ventilation correcte

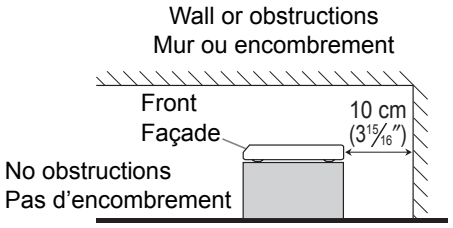
Pour éviter les risques d'électrochoc ou d'incendie, et de manière à éviter les dommages, placer l'appareil sur une surface en hauteur. L'espace minimal est indiqué ci-dessous:

Main unit (CA-DD8/CA-DD3)
Unité principale (CA-DD8/CA-DD3)

Front view
Façade

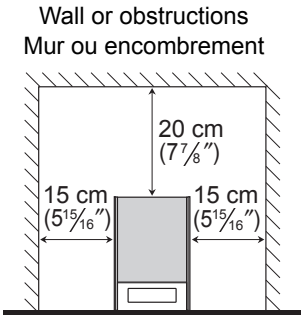


Side view
Vue latérale

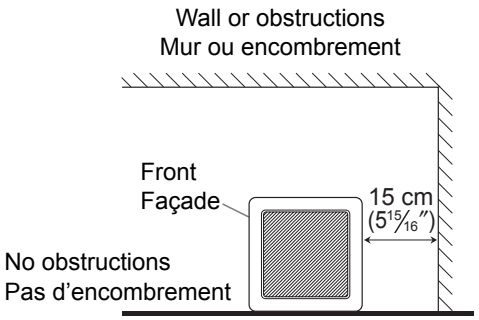


Subwoofer (SP-PWDD8/SP-PWDD3)
Caisson de grave (SP-PWDD8/SP-PWDD3)

Front view
Façade



Side view
Vue latérale



CAUTION — ⏻/I button! (CA-DD8/CA-DD3)

Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off). When installing the apparatus, ensure that the plug is easily accessible.

The ⏻/I button in any position does not disconnect the mains line.

- When the system is on standby, the STANDBY lamp lights red.
- When the system is turned on, the STANDBY lamp goes off.
  The power can be remote controlled.

ATTENTION — Touche ⏻/I ! (CA-DD8/CA-DD3)

Déconnectez la fiche secteur pour mettre l'appareil complètement hors tension (le témoin STANDBY l s'éteint). Lors de l'installation de l'appareil, assurez-vous que la fiche soit facilement accessilble.

La touche ⏻/I, dans n'importe quelle position, ne déconnecte pas le système du secteur.

- Quand le système est en attente, le témoin STANDBY est allumé en rouge.
- Quand le système est sous tension, le témoin STANDBY s'éteint.
  L'alimentation peut être télécommandée.

CAUTION (SP-PWDD8/SP-PWDD3)
The power supply to the subwoofer is linked to the center unit.
Disconnect the mains plug to shut the power off completely (the POWER ON lamp goes off).
When installing the apparatus, ensure that the plug is easily accessible.
• When the system is turned on, the POWER ON lamp lights green.

ATTENTION (SP-PWDD8/SP-PWDD3)
L'alimentation du caisson de grave est reliée à l'unité centrale.
Déconnectez la fiche secteur pour mettre l'appareil complètement hors tension (le témoin POWER ON l s'éteint). Lors de l'installation de l'appareil, assurez-vous que la fiche soit facilement accessible.
• Quand l'appareil est sous tension, le témoin POWER ON est allumé en vert.

CAUTION
To avoid personal injury or accidentally dropping the unit, have two persons unpack, carry, and install the unit.

ATTENTION
Pour éviter toute blessure personnelle ou toute chute accidentelle de l'appareil, celui-ci doit être déballé, transporté et installé par deux personnes.

DD-8: 48.5 kg (106.9 lbs)
DD-3: 22.7 kg (51 lbs)

[European Union only]
[Union européenne seulement]

English

Introduction

Table of contents

Thank you for purchasing a JVC product.
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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How to read this manual

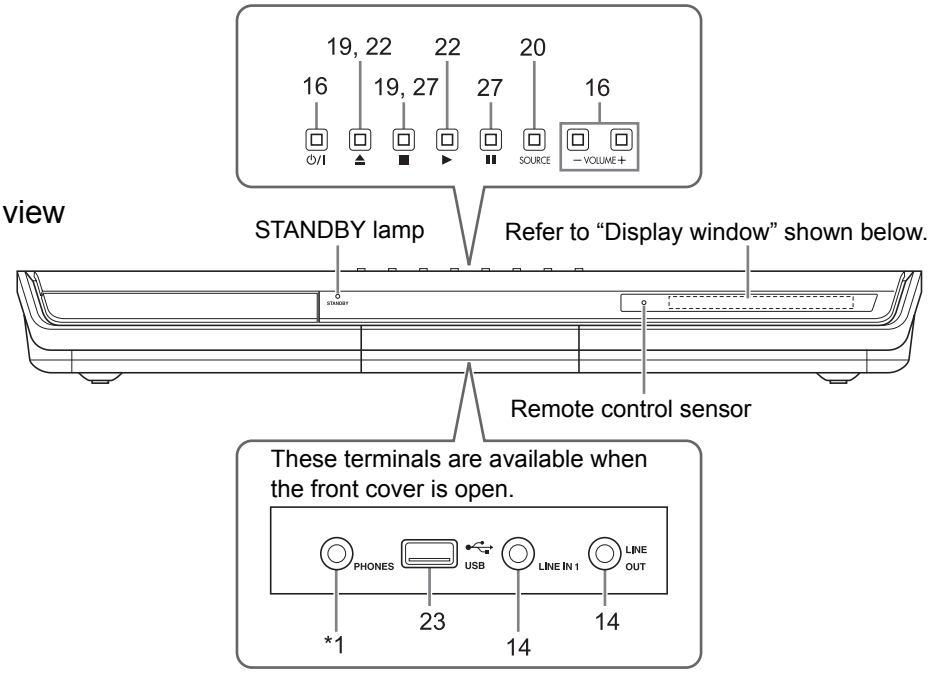
- This manual explains operations assuming that you will use the remote control. Some buttons on the main unit are the same as those on the remote control. You can use either button in this case.
- Some diagrams in this manual are simplified or exaggerated for the purpose of explanation.
- You can operate some functions differently from the explanation given in this manual.
- Depending on the disc/file, you may not obtain the explained result even after following the operation in this manual.
- The following marks refer to the usable discs/files for the explained function.

DVD VIDEO | VCD SVCD | CD | MP3 WMA | WAV | JPEG | ASF | DivX | MPEG1 MPEG2

Part description

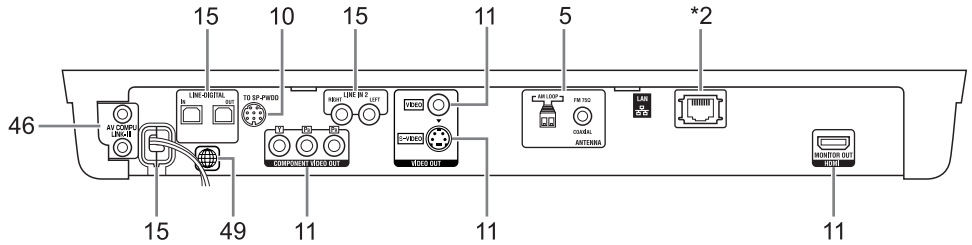
The numbers refer to the pages in which the parts are explained.

Front view



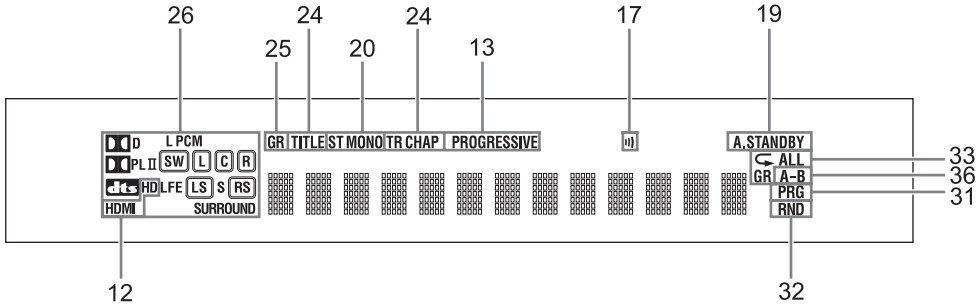
*1 The [PHONES] terminal is for connecting a pair of headphones equipped with a stereo plug (not supplied). When the headphones are connected, the speakers do not produce any sound. (“HEADPHONE” appears in the display window.)
During playback, when you connect or disconnect headphones, sound from the [LINE OUT] and [LINE-DIGITAL OUT] terminals may be intermittent. While recording sound to another device, do not connect or disconnect headphones.

Rear view



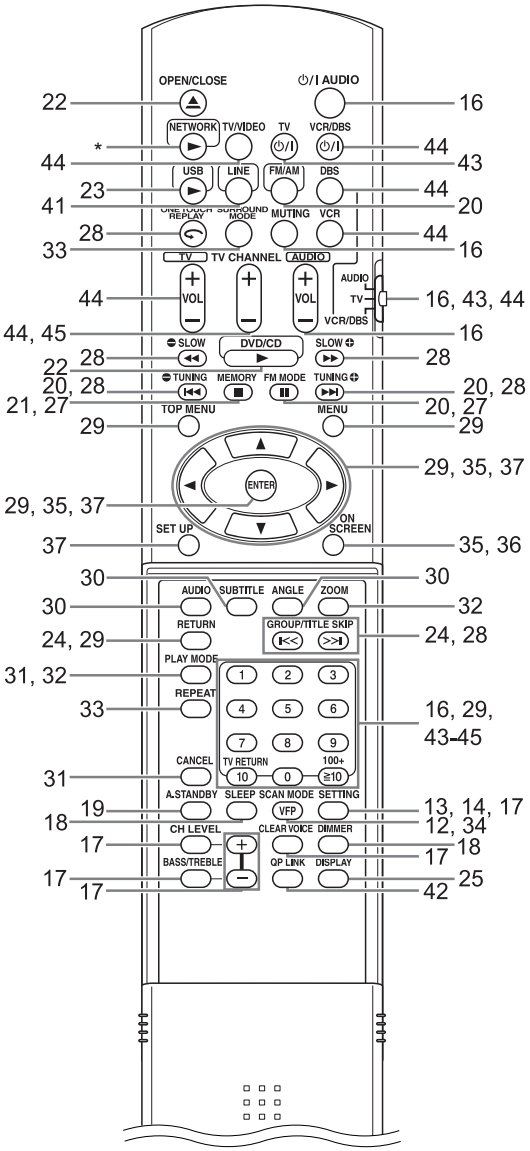
*2 Refer to the separate volume of the operation manual for the network function.

Display window



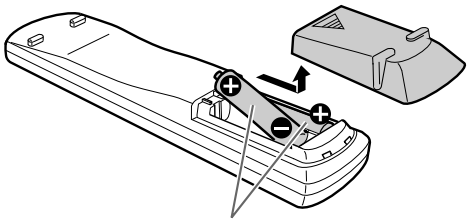
Using the remote control

The numbers refer to the pages in which the parts are explained.



* Refer to the separate volume of the operation manual for the network function.

Inserting the batteries into the remote control



R6P (SUM-3)/AA (15F) type dry-cell batteries (supplied)

- If the effective range of the remote control decreases, replace both batteries.

■ CAUTION

- Do not expose batteries to heat or flame.

Operating the system from the remote control

Point the remote control directly at the front of the main unit.

- Do not block the remote control sensor on the main unit.
- Use the remote control at a position higher than the main unit.

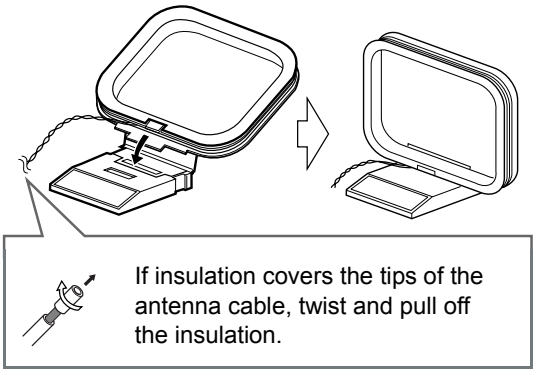
Preparation

Do not turn on the power until you complete the connection.

Connecting the antennas

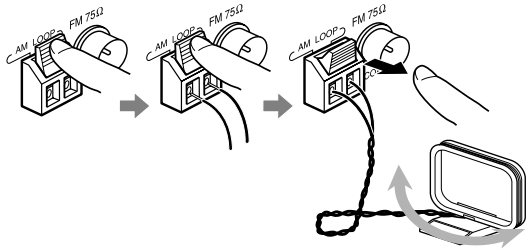
AM loop antenna (supplied)

Setting up the AM loop antenna



Connecting the AM loop antenna

Main unit (rear view)



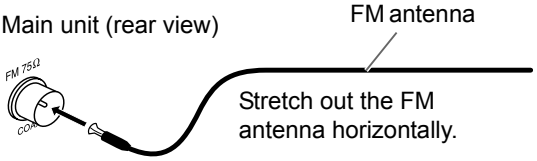
Turn the AM loop antenna to find the best position for radio reception.

NOTE

- Make sure that the antenna conductors do not touch any other terminals. This could cause poor reception.

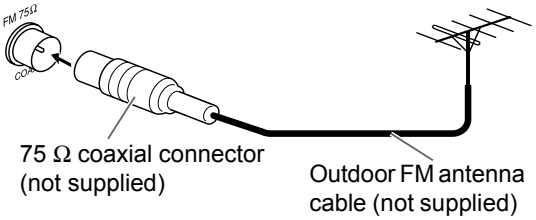
FM antenna (supplied)

Main unit (rear view)



If reception is poor

Main unit (rear view)



NOTE

- A coaxial cable is recommended as it reduces interference for FM reception.

Connecting the speakers

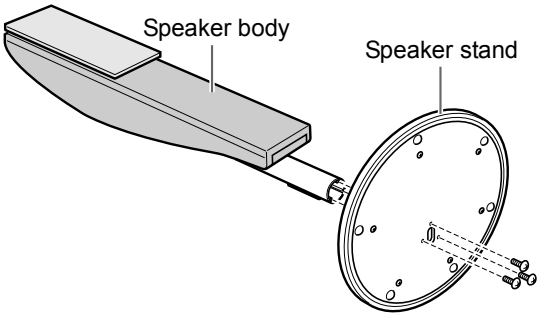
Assembling the speaker stands (DD-8)

The speakers for DD-8 must be assembled to the speaker stands before the speakers can be connected to the subwoofer. Follow the diagrams below.

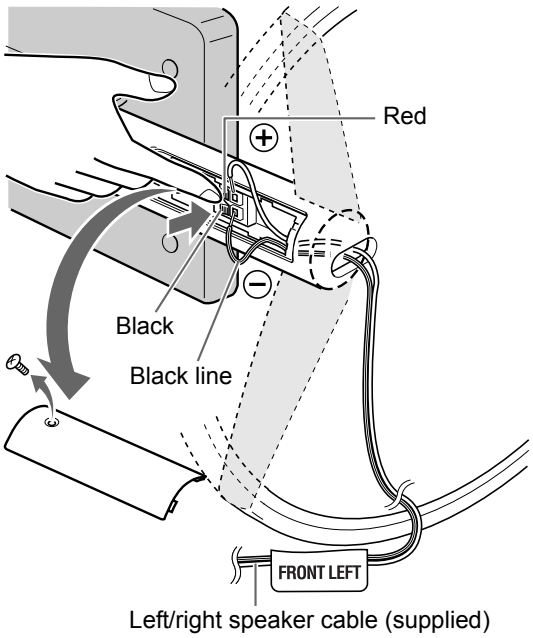
Left and right speakers

■ **CAUTION**

- The left and right speakers for DD-8 are considerably heavy. Care must be taken in carrying and handling them. Injury to personnel or damage to devices may result if the left/right speaker falls.



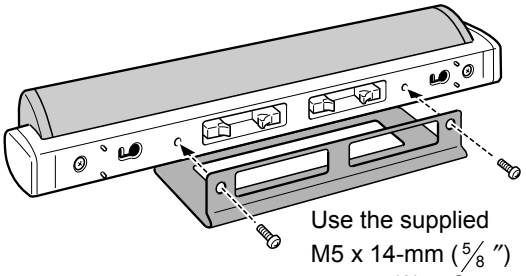
Mount the speaker body perpendicular to the speaker stand. Use the supplied M4 x 25-mm (1″) screws (3) to fasten each speaker to its speaker stand.



Left/right speaker cable (supplied)

Remove the screw and the terminal cover. After connecting the speaker cables, reattach the terminal cover to the speaker body and tighten the screw.

Center surround speaker

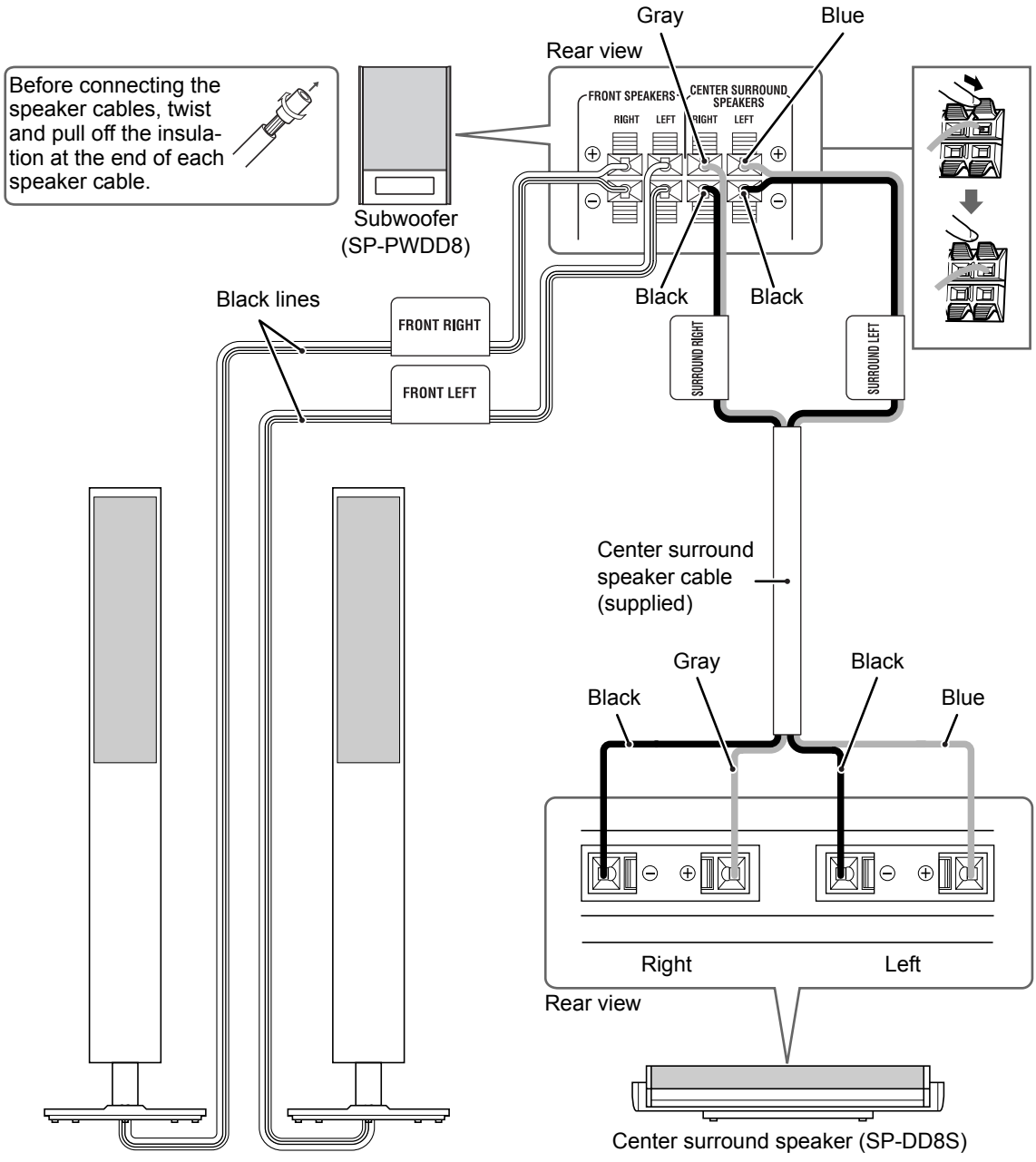


Use the supplied M5 x 14-mm ($\frac{5}{8}$ ″) screws (2) to fasten the speaker stand.

■ **CAUTION**

- The center surround speaker for DD-8 can be installed on a wall.
- Be sure to have the speaker installed on the wall by qualified personnel.
- DO NOT install the speaker on the wall by yourself to avoid unexpected damage from it falling off the wall due to incorrect installation or weakness in wall structure.
- Care must be taken in selecting a location for speaker installation on a wall. Injury to personnel or damage to devices may result if the installed speaker interferes with daily activities.

Connecting the speakers to the subwoofer (DD-8)



The speakers are shown assembled to the speaker stands on page 6.
The left and right speakers are the same.

The speaker is shown assembled to the speaker stand on page 6.

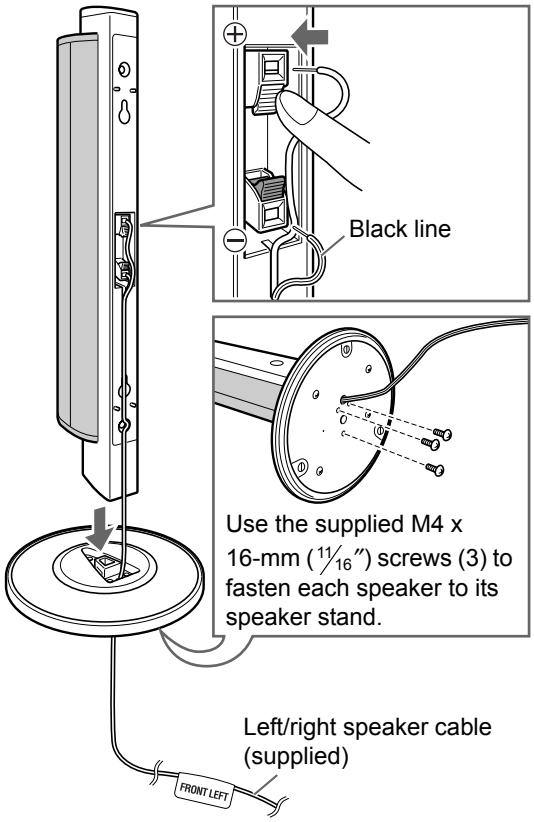
NOTE

- When connecting the speaker cable to the terminal on the center surround speaker, make sure that the end of speaker cable does not touch any other nearby metallic parts.

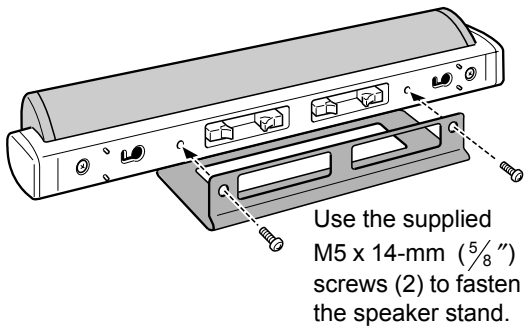
Assembling the speaker stands (DD-3)

The speakers for DD-3 must be assembled to the speaker stands before the speakers can be connected to the subwoofer. Follow the diagrams below.

Left and right speakers


Black line
Use the supplied M4 x 16-mm (11/16″) screws (3) to fasten each speaker to its speaker stand.
Left/right speaker cable (supplied)
FRONT LEFT

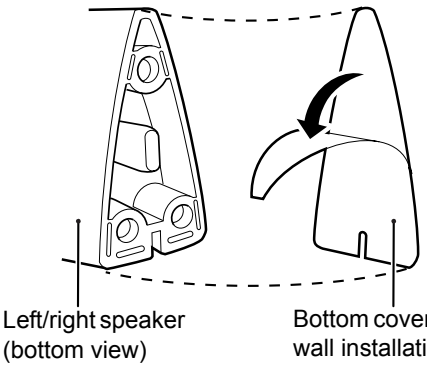
Center surround speaker



■ **CAUTION**

- The left and right speakers and center surround speaker for DD-3 can be installed on a wall.
- Be sure to have the speakers installed on the wall by qualified personnel. Bottom covers (2) are supplied with DD-3 for installing the left and right speakers on the wall.

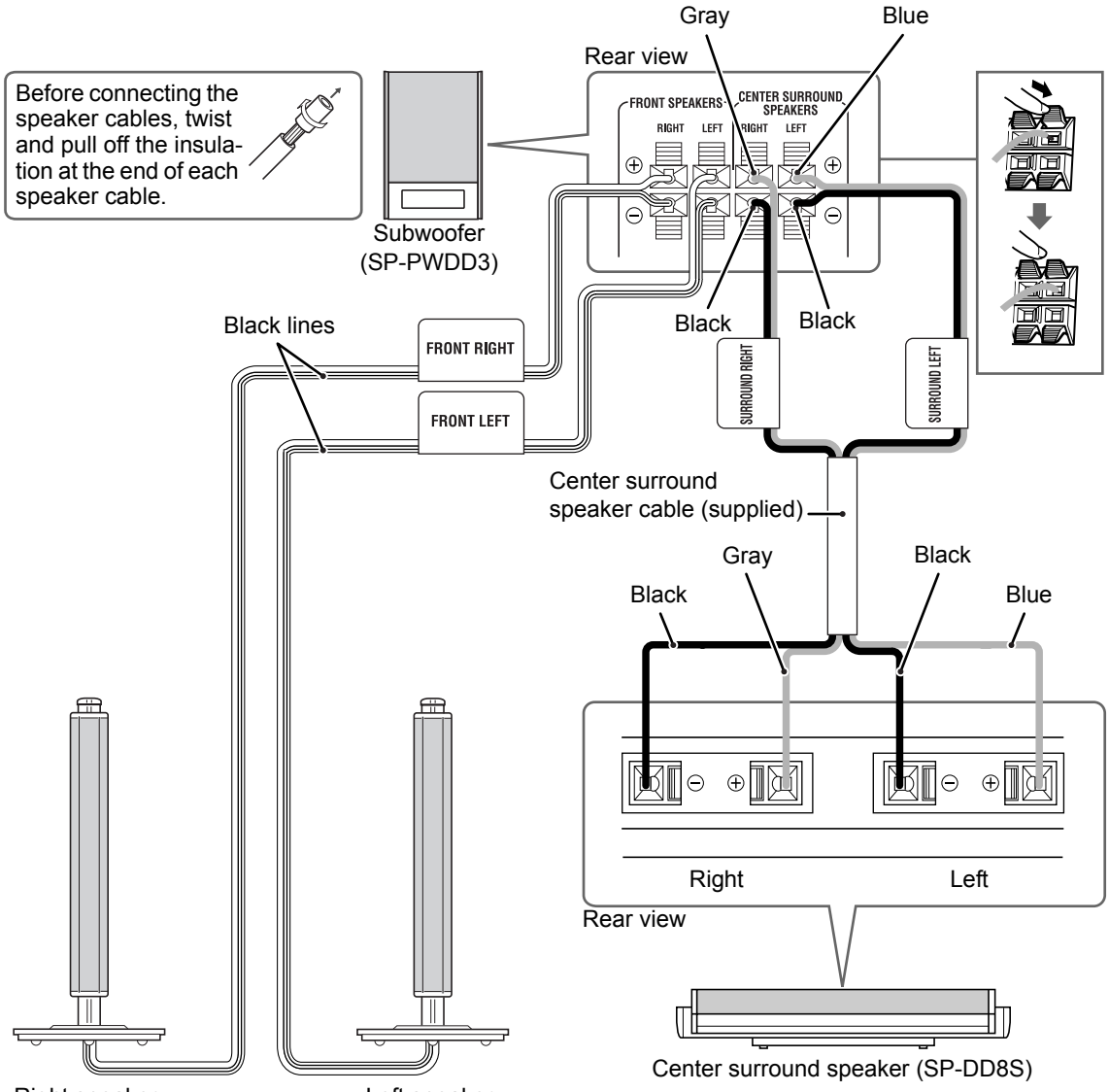
Affixing the bottom covers to the left and right speakers



Peel off the sheet from the bottom cover, and then affix the bottom cover to the left/right speaker.

- DO NOT install the speakers on the wall by yourself to avoid unexpected damage from them falling off the wall due to incorrect installation or weakness in wall structure.
- Care must be taken in selecting a location for speaker installation on a wall. Injury to personnel or damage to devices may result if the installed speakers interfere with daily activities.

Connecting the speakers to the subwoofer (DD-3)



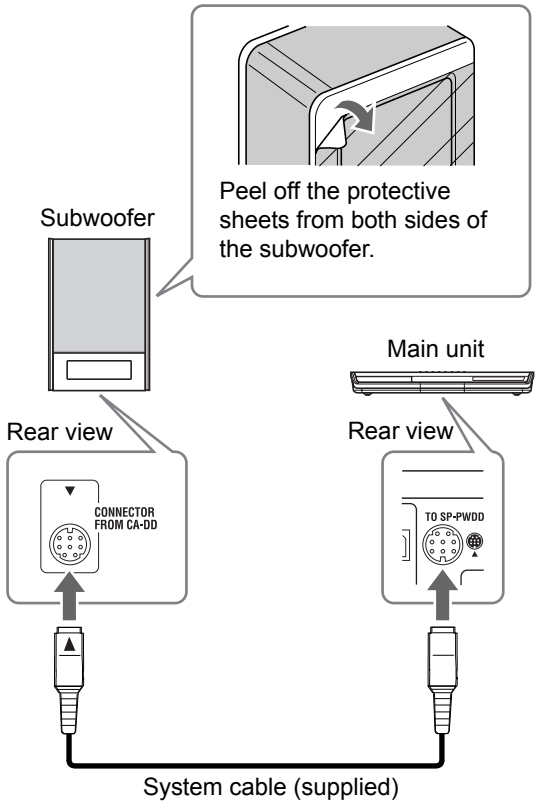
The speakers are shown assembled to the speaker stands on page 8.
The left and right speakers are the same.

The speaker is shown assembled to the speaker stand on page 8.

NOTE

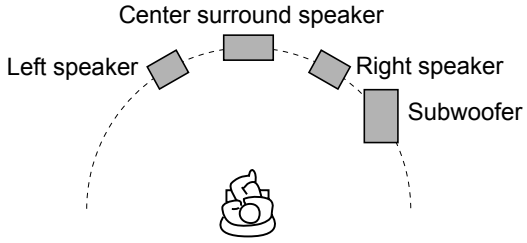
- When connecting the speaker cable to the terminal on the center surround speaker, make sure that the end of speaker cable does not touch any other nearby metallic parts.

Connecting the subwoofer to the main unit



Align the ▲ marks on the terminals and the system cable.

Speaker layout



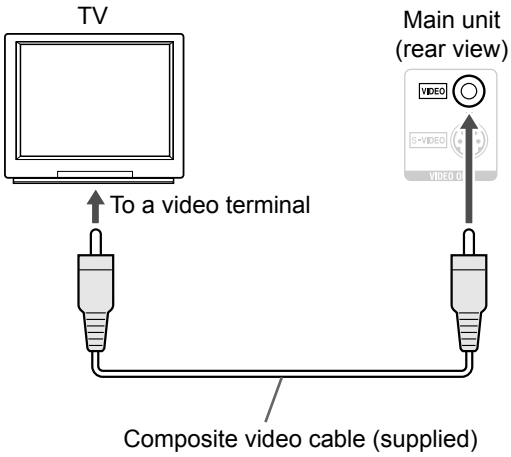
■ CAUTION

- An incorrect connection may damage the speakers. Properly connect the cables to the speaker terminals.
- Do not short-circuit the ⊕ and ⊖ speaker terminals. Doing so may damage the main unit.
- The supplied speakers are manufactured exclusively for use with the supplied main unit as parts of the DD-8/DD-3 system. Do not connect the supplied speakers to devices other than the supplied main unit. Doing so may damage the speakers.
- Do not connect other speakers together with the supplied speakers. The change in impedance may damage the main unit and the speakers.
- Improper speaker cable connection spoils the stereo effect and sound quality.
- Most of the supplied speakers* are magnetically shielded, but color irregularity may occur on the TV depending on some conditions. To prevent color irregularity, set up the speakers following the instructions below.
  1. Turn off the main power of the TV before setting up the speakers.
  2. Place the speakers enough distance from the TV so that they do not cause color irregularity on the TV.
  3. Wait for approximately 30 minutes before turning on the main power of the TV again.

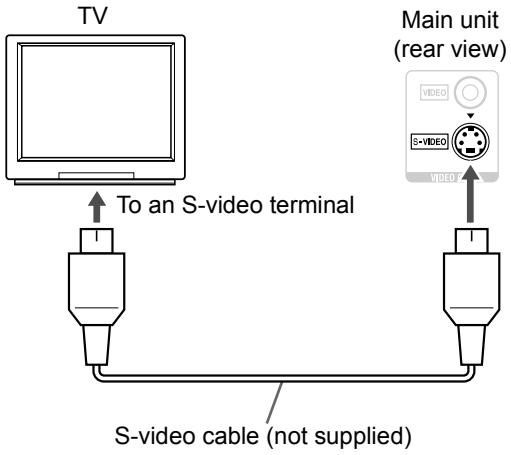
  * The subwoofer for DD-3 is not magnetically shielded. With the exception of this subwoofer, the supplied speakers are magnetically shielded.

Connecting a TV

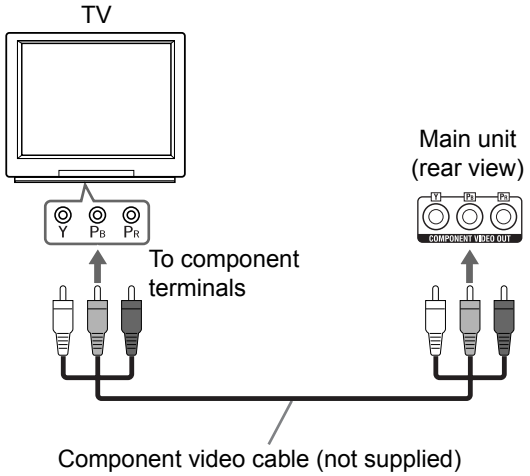
Connecting a TV with the [VIDEO] terminal



Connecting a TV with the [S-VIDEO] terminal

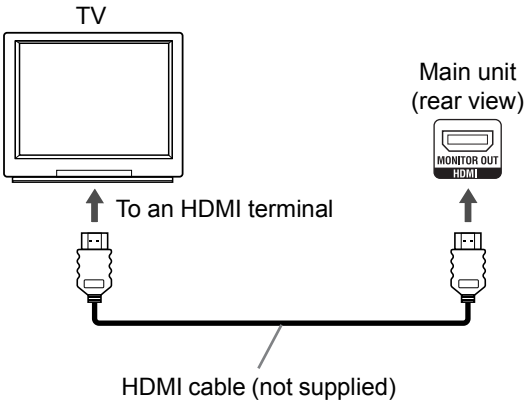


Connecting a TV with the [COMPONENT VIDEO OUT] terminals



Connecting a TV with the [HDMI] terminal

This system can output uncompressed digital video signals to a TV compatible with HDMI (High Definition Multimedia Interface).



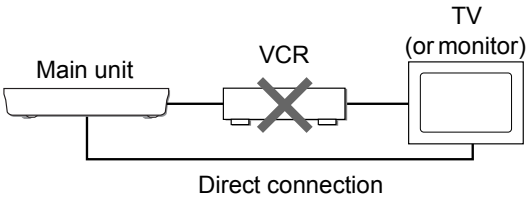
Select “HDMI” for the monitor out type. (Refer to page 13.)

NOTE

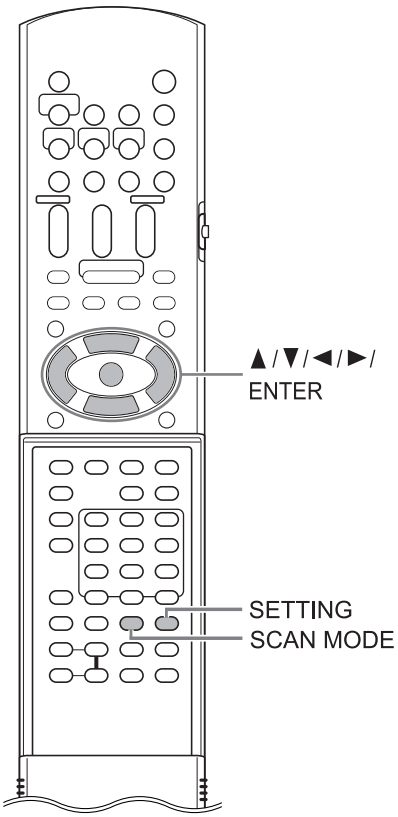
- This system supports up to HDMI version 1.0. The HDMI video signal type can be checked with the "HDMI" indicator in the display window. (Refer to "Selecting the video signal type" shown on the right.)
- If the picture is distorted while an HDMI TV is connected, turn off the main unit and turn it on again.
- A TV compatible with HDCP (High-Bandwidth Digital Content Protection) can also be connected to the [HDMI] terminal, so that the uncompressed HD video signal type can be output as well.

■ CAUTION

- Do not connect an S-video cable and a component video cable at the same time. Otherwise the picture may not be played back properly.
- Connect the main unit directly to a TV (or a monitor) without routing through a video cassette recorder (VCR). Otherwise picture distortion may occur during playback. (Routing the connection through a VCR, however, does not affect the audio quality.)



- Connecting the main unit to a VCR-built-in-TV may also cause picture distortion during playback.



Selecting the video signal type

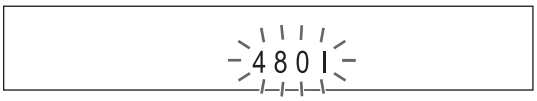
To view an image on the TV screen, select the video signal type correctly according to the TV after connecting the main unit to the TV.

1 Turn on the main unit. (Refer to "Connecting the power cable" on page 15 and "Turning on the main unit" on page 16.)

2 Hold down [SCAN MODE] for 2 or more seconds.

- The current video signal type flashes.

Example:



(Continued on the next page)

3 Press ◄ or ► to select the video signal type suitable for the TV.

- When the TV is connected to the [VIDEO] terminal or the [S-VIDEO] terminal, the video signal type can be selected as instructed below.
  - Select “480I” for a TV only compatible with interlaced video siginal.
  - Select “480P” for a TV equipped with a component terminal and compatible with progressive video signal.
- When the TV is connected to the [HDMI] terminal, the video signal type can be selected as instructed below.
  - Select “AUTO” for normal usage (the initial setting).
  - Select “480P” or “720P” as needed.

NOTE

- “480” and “720” refer to the number of the scanning lines. Generally, the larger the number, the better picture that can be obtained.
- “I” refers to the interlaced format. “P” refers to the progressive format. A better picture can be obtained in the progressive format than in the interlaced format.
- When an HDMI video signal is output, the “HDMI” indicator lights up in the display window.
- When an HD video signal (720p) is output, the “HD” indicator lights up.
- When “480P” or “720P” is selected, the “PROGRESSIVE” indicator lights up in the display window.

4 Press [ENTER].

- The selected video signal type is displayed in the display window for a short time.

NOTE

- The picture may be distorted when you press [ENTER], but this is not a malfunction of the system.
- To check the compatibility of your TV, contact your local JVC customer service center.
- All JVC-manufactured progressive TVs and high-definition TVs are fully compatible with this system.
- Even if the main unit is turned off, the video signal type setting is stored.

Selecting the monitor out type

To view an image on the TV, select the monitor out type as well as the video signal type.

1 Press [SETTING].

2 Press ▲ or ▼ to display “M.OUT”.

```
M. OUT : NO  HDMI
```

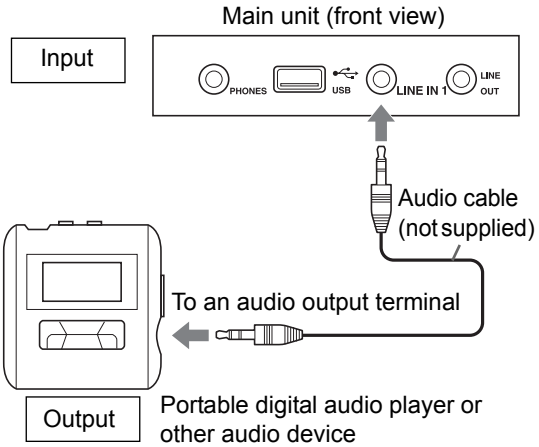
3 Press ◄ or ► to select “HDMI” or “NO HDMI”.

- When using an HDMI cable to connect a TV to the main unit, select “HDMI”.
- When an HDMI cable is not connected, select “NO HDMI” (the initial setting).

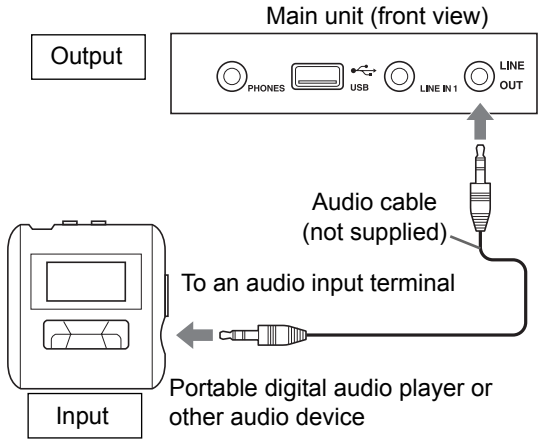
4 Press [ENTER] or wait for a short time.

Connecting a portable digital audio player

Listening to analog sound from a portable digital audio player



Outputting analog sound to a portable digital audio player

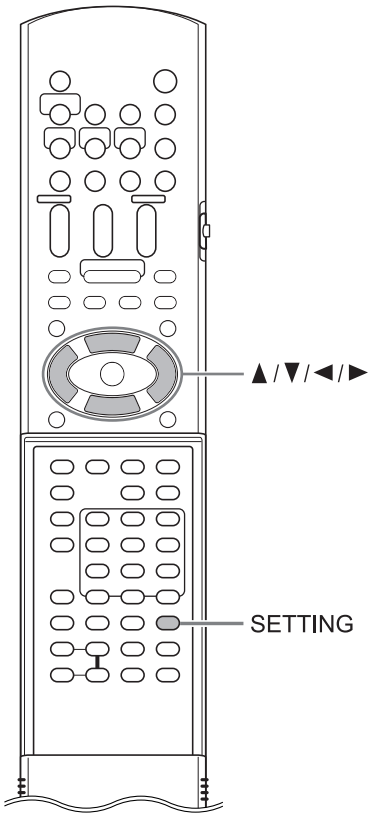


NOTE

- Signals input from the [LINE IN 1] and [LINE IN 2] terminals are not output to the [LINE OUT] terminal.

■Selecting the analog output level of the [LINE OUT] terminal

You can lower the analog output level to prevent the system from producing unnecessarily loud sound. Controlling the level may also be helpful for recording sound from the system to other devices.



1 Press [SETTING].

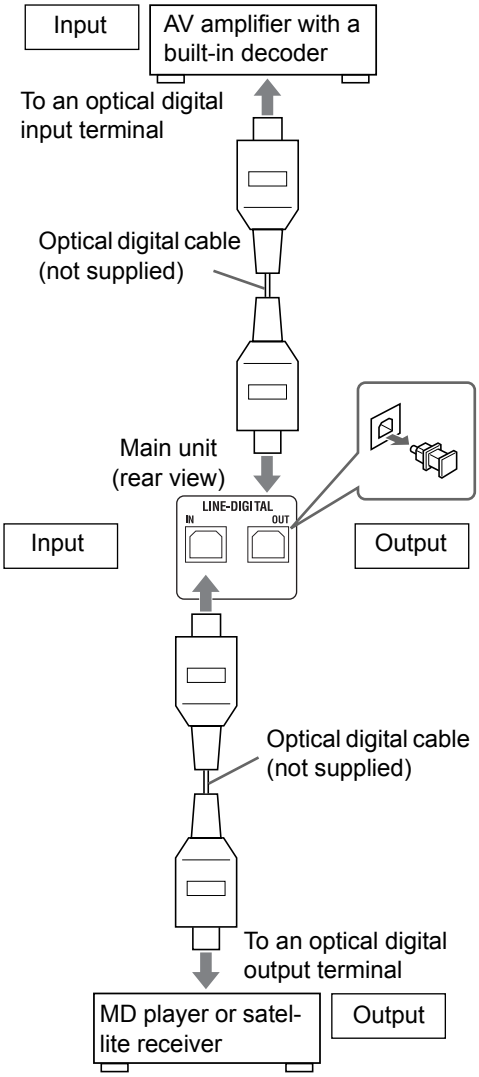
2 Press ▲ or ▼ to select “LINEOUT” in the display window.

LINEOUT: L1

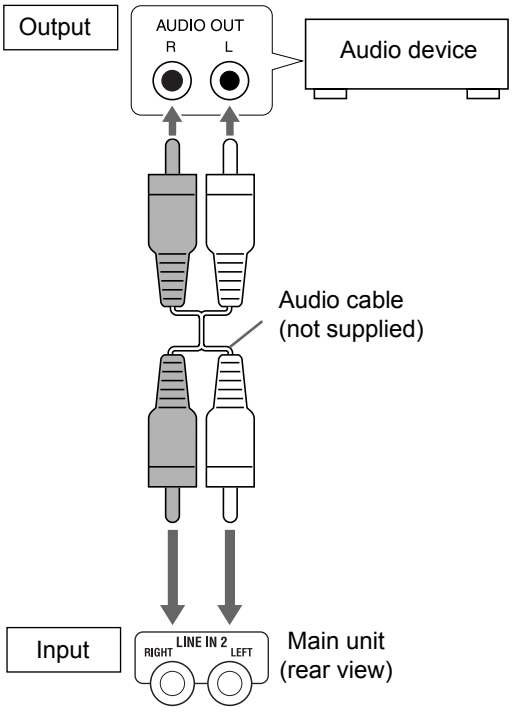
3 Press ◄ or ► to select “L1” or “L2”.

- “L1” for normal usage (the initial setting)
- “L2” for higher level

Connecting other digital audio devices

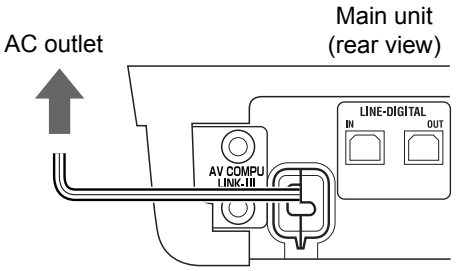


Connecting other analog audio devices

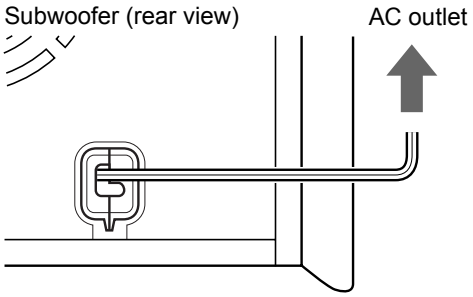


Connecting the power cable

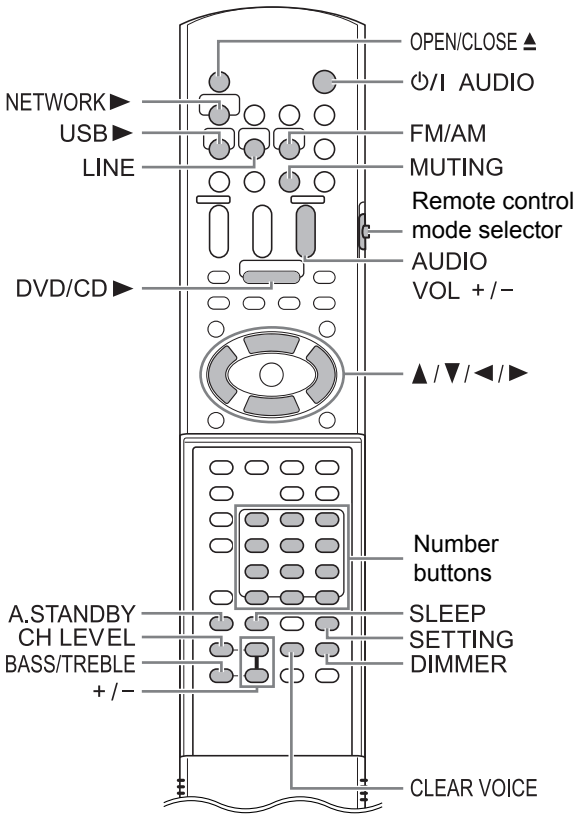
■Main unit



■Subwoofer

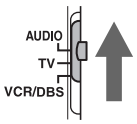


Basic operations



■ **CAUTION**

- Slide the remote control mode selector to [AUDIO].



Using the number buttons

Examples:

5: [5]

15: [≧10] → [1] → [5]

150: [≧10] → [≧10] → [1] → [5] → [0]

Turning on the main unit

Press [⏻/I AUDIO].

- Press [⏻/I AUDIO] again to turn off the main unit.
- With the power off, pressing any of the following buttons also turns on the main unit.
  - [DVD/CD ►], [USB ►], [NETWORK ►], [LINE], [FM/AM] or [OPEN/CLOSE ▲] on the remote control
  - ►, ▲ or [SOURCE] on the main unit

  The function assigned to the button starts working at the same time.

Adjusting the volume

Press [AUDIO VOL +/–].

- Adjustable volume range is from 0 to 40.
- You can also adjust the volume by pressing [VOLUME+/–] on the main unit.

NOTE

- Refer to page 17 for adjusting the volume of the center surround speaker/subwoofer.
- Refer to page 17 for adjusting the volume balance between the left and right speakers.

Turning off the sound temporarily

Press [MUTING].

- Press [MUTING] again to restore the sound. When the main unit is turned off once and turned on again, the sound also is restored.

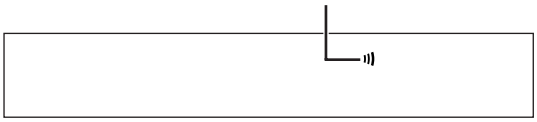
Sharpening the voice sound

This function allows you to easily understand dialog recorded on the disc/file even with the volume down low.

Press [CLEAR VOICE].

- Each time you press [CLEAR VOICE], the clear voice function turns on and off.

This indicator lights up when the clear voice function is activated.



NOTE

- This function is effective when receiving the center channel signal with surround sound, or when the surround mode is activated even with stereo sound (refer to page 33).

Adjusting the bass/treble sound

1 Press [BASS/TREBLE] repeatedly to select “BASS” or “TREBLE” in the display window.

2 Press [+] or [–] to adjust the sound quality.

- Adjustable sound quality is from –5 to +5.

Adjusting the volume of the center surround speaker/ subwoofer

1 Press [CH LEVEL] to repeatedly select “SURR” (the center surround speaker) or “SUBWFR” (the subwoofer) in the display window.

2 Press [+] or [–] to adjust the volume.

NOTE

- Adjustable volume range is from –6 to +6.

Adjusting the volume balance between the left and right speakers

1 Press [SETTING].

2 Press ▲ or ▼ to display “BAL: ” in the display window.

3 Press ◄ or ► to adjust the volume balance.

- “CENTER” (the initial setting) is displayed when the volume of the left and right speakers are the same.
- You can adjust the volume range respectively for the left and right speakers. Adjustable volume range is from –21 to –1.

Changing the brightness of the display window

Press [DIMMER].

- Each time you press [DIMMER], the display changes in the display window as follows.
  - "DIMMER 1"
    The display window becomes darker than the normal display brightness.
  - "DIMMER 2"
    The display window becomes darker than "DIMMER 1".
  - "DIMMER AUTO"
    When a video disc/file is played back, the display window becomes darker automatically.
  - "DIMMER OFF"
    The normal display brightness is restored.

Using the sleep timer

When the time you specify elapses, the main unit automatically turns off.

Press [SLEEP].

- Each time you press [SLEEP], the time indicated in the display window changes. You can set the time to 10, 20, 30, 60, 90, 120 or 150 minutes.

Example : Display when the sleep timer is set to 60 minutes

NOTE

- When the sleep timer is activated, the display window becomes darker automatically.

Changing the remaining time

Press [SLEEP] repeatedly to select the time again.

Confirming the remaining time

Press [SLEEP] once.

Canceling the sleep timer

Press [SLEEP] repeatedly until "SLEEP" disappears.

NOTE

- Turning off the main unit cancels the sleep timer.

For the locations of the remote control buttons, refer to page 16.

Auto standby function

If no sound is produced for 3 minutes, the main unit automatically turns off.
This function is available when a disc/file is selected as the source.
You cannot use this function when a radio broadcast or a device connected to the [LINE IN 1], [LINE IN 2] or [LINE-DIGITAL IN] terminals is selected as the source.

Activating the auto standby function

■When a disc/file is selected as the source

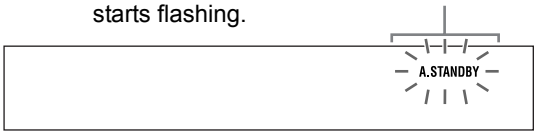
Press [A.STANDBY].

- Pressing [A.STANDBY] once again deactivates the function. (The display window changes to "A.STANDBY OFF".)

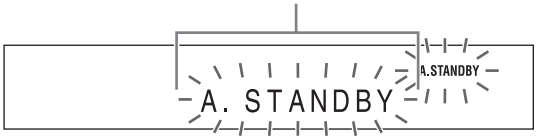
Performance of the auto standby function

When playback of a disc/file finishes, the auto standby function starts a countdown.

At this time, the "A.STANDBY" indicator starts flashing.



20 seconds before the main unit turns off, "A.STANDBY" starts flashing.



When no operation is carried out for 3 minutes, the main unit automatically turns off.

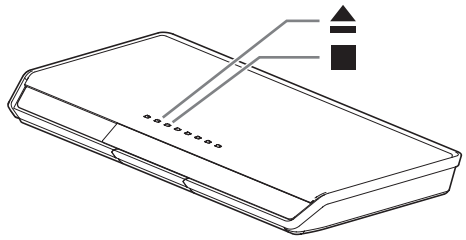
NOTE

- Leaving the volume at "0" is not the same as producing no sound, and therefore does not start the auto standby function.

Locking disc ejection

You can lock the disc tray to prevent the disc from being ejected.

Setting the disc ejection lock

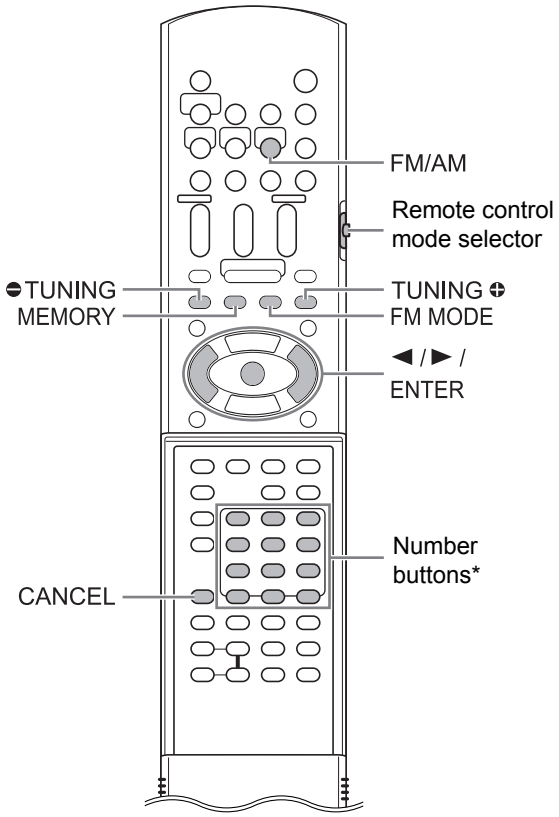


■When the main unit is turned off

Press ⏏ while holding down ■ on the main unit.

- Repeat this step to cancel the disc ejection lock. (The display window changes to "UNLOCKED".)

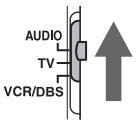
Listening to radio broadcasts



* For the number button usage, refer to “Using the number buttons” on page 16.

■ CAUTION

- Slide the remote control mode selector to [AUDIO].

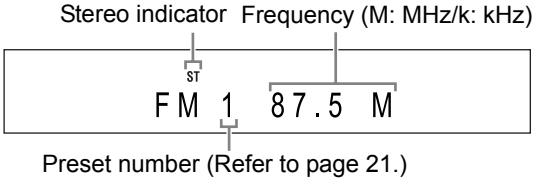


Selecting a radio station

1 Press [FM/AM] to select “FM” or “AM” in the display window.

- Each time you press [FM/AM], the band toggles between “FM” and “AM”.
- Repeatedly pressing [SOURCE] on the main unit can also select a radio broadcast as the source.

Example: Display when an FM radio broadcast is received



2 Press [⊖ TUNING] or [TUNING ⊕] repeatedly to select a radio station.

- When the main unit has receive an FM stereo broadcast, the “ST” (stereo) indicator lights up in the display window.
- You can also select a radio station using the automatic tuning.

■Automatic tuning

Hold down [⊖ TUNING] or [TUNING ⊕] until the frequency starts changing, and then release the button.

- When the main unit has received a broadcast, the frequency automatically stops changing.
- You can select a specific radio station while searching for a broadcast. Press [⊖ TUNING] or [TUNING ⊕] to stop the automatic tuning when the desired frequency appears in the display window.

NOTE

- If an FM stereo broadcast is difficult to hear because of noise, you may be able to hear the broadcast more easily by pressing [FM MODE] to switch the sound to monaural reception. In this case, the “MONO” (monaural) indicator lights up in the display window. To return the sound to stereo reception, press [FM MODE] again.

Tuning in to a preset radio station

Presetting radio stations in the main unit allows you to easily tune in to a radio station.

Presetting radio stations

You can store up to 30 FM radio stations and up to 15 AM radio stations.

1 Select a radio station you want to store.

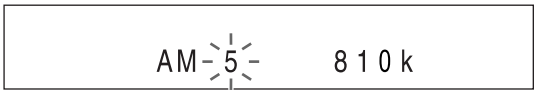
• Refer to “Selecting a radio station” on page 20.

2 Press [MEMORY].

• The preset number flashes in the display window.

3 While the preset number is flashing, press the number buttons to select the preset number.

Example: When storing the radio station “AM 810 kHz” to the preset number “5”



4 While the selected number is flashing, press [MEMORY] or [ENTER].

• “STORED” appears and the selected radio station is stored.

NOTE

- When you store a radio station to a preset number to which another radio station has previously been stored, the newly set radio station replaces the previously stored radio station.
- You can also use ◄ or ► to select the preset number in step 3.

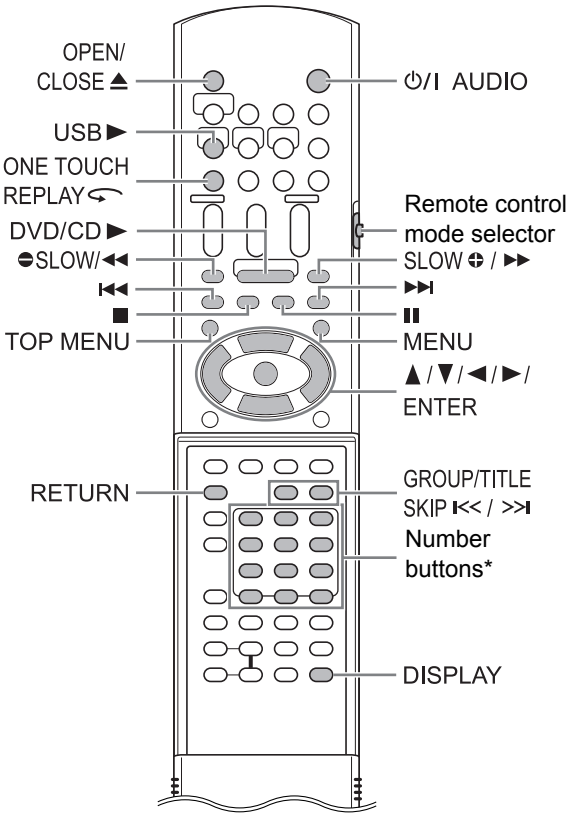
Tuning in to a preset radio station

■When an FM or AM radio broadcast is selected as the source

Press the number buttons to select the preset number.

• You can also select the preset number by pressing ◄ or ►.

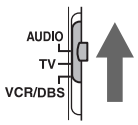
Basic operations of disc/file playback



* For the number button usage, refer to “Using the number buttons” on page 16.

■ CAUTION

- Slide the remote control mode selector to [AUDIO].



Playing back a disc

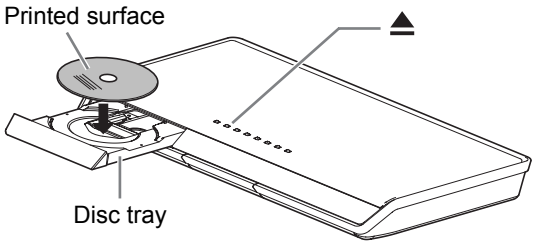
DVD VIDEO VCD SVCD CD

This part explains playing back the types of discs shown above.

1 Press [OPEN/CLOSE ⏏] on the remote control or ⏏ on the main unit.

- The disc tray ejects.

2 Place a disc.



- To play back an 8-cm ($3\frac{3}{16}$″) disc, place it on the inner hollow of the disc tray.

3 Press [DVD/CD ►].

NOTE

- Instead of step 3, you can use the buttons on the main unit. Repeatedly pressing [SOURCE] can select the disc as the source, and pressing ► starts playback.
- A menu screen may appear on the TV screen after DVD playback starts. In such a case, operate the menu screen, referring to “Selecting a track from the menu screen” on page 29.
- If you perform an operation, such as changing the source quickly or loading an incompatible disc (refer to pages 49-51), the disc may not be played back or ejected. In this case, turn off the main unit and turn it on again by using ⏻/I on the main unit.

Playing back a file

MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2

This part explains playing back 1) files recorded on the loaded disc, and 2) files recorded on a USB mass storage class device connected to the main unit. The operation is explained with a display of MP3 files as an example.

NOTE

- When files of different types are recorded on a disc or connected USB mass storage class device, select the file type before playback. (Refer to "FILE TYPE" on page 38.)

1 Prepare the system for file playback by following the operations below.

■When you want to play back files on a disc

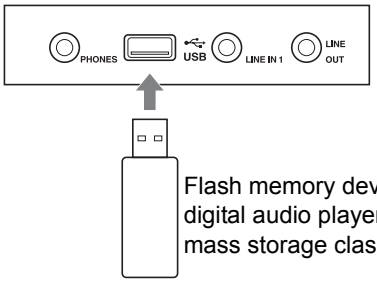
Place a disc on the disc tray.

- Refer to steps 1 and 2 on page 22.

■When you want to play back files on a USB mass storage class device

Connect the USB mass storage class device to the [USB] terminal on the front of the main unit.

Main unit (front view)



Flash memory device, portable digital audio player or other USB mass storage class device

NOTE

- Copyrighted files cannot be played back.
- This system cannot recognize a USB mass storage class device whose rating exceeds 5V/500mA.
- When connecting a USB mass storage class device, refer also to its manual.
- When using a USB cable for connecting a USB mass storage class device, its length should be less than 1 m (3′3″).
- Connect a USB mass storage class device directly to the main unit without routing through a USB hub. Otherwise a malfunction may occur.
- Before disconnecting the USB mass storage class device, make sure that playback is stopped.
- The main unit does not charge a USB mass storage class device connected to the [USB] terminal.

2 Press [DVD/CD ►] or [USB ►].

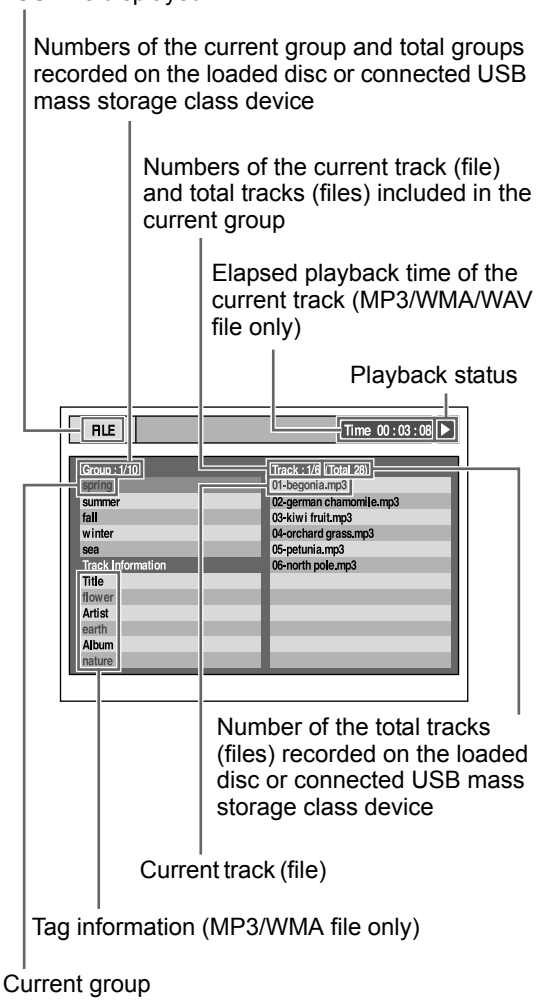
NOTE

- You can also use the buttons on the main unit. Repeatedly pressing [SOURCE] can select the disc/file as the source, and pressing ► starts playback.
- If you select another source while "READING" is displayed in the display window, sound is not produced until reading of the files is finished.

3 Press ■ to stop playback.

- The menu screen appears on the TV screen.

When a file recorded on the connected USB mass storage class device is selected as the source, "USB" is displayed.



NOTE

- Depending on the file type, the menu screen appears before you press ■.

4 Press ▲, ▼, ◄ or ► to select a group and track.

NOTE

- You can also use [GROUP/TITLE SKIP ⏮/⏭] to select a group, and the number buttons, ⏮ or ⏭ to select a track.

5 Press [DVD/CD ►] or [USB ►].

NOTE

- If you have skipped step 3, you do not have to proceed to step 5.

Slide-show playback

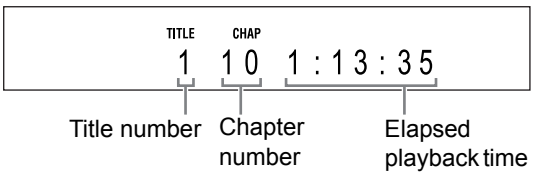
- JPEG files are continuously played back from the selected file.
- Display time for a file in slide-show playback is approximately 3 seconds.
- Press [ENTER] to view only the selected file.

Display window on the main unit for disc/file types

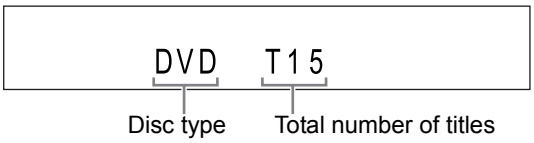
DVD VIDEO | VCD SVCD | CD | MP3 WMA | WAV | JPEG | ASF | DivX | MPEG1 MPEG2

DVD VIDEO

■When a disc is played back

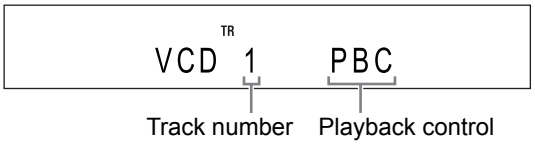


■When a disc is stopped



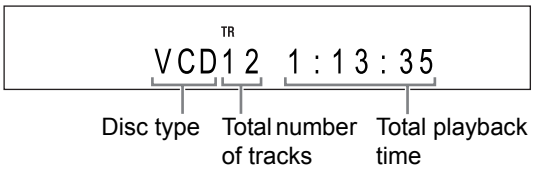
VCD/SVCD

■When a disc is played back



- You can control the playback of a PBC compatible disc using a menu screen.
- To cancel the PBC function, follow the instructions below.
  - Specify the track number using the number buttons when the disc is stopped.
  - Specify the track number using ⏮ or ⏭ when the disc is stopped, and then press [DVD/CD ►].
- Press [RETURN] to go back to the upper layer during PBC playback.

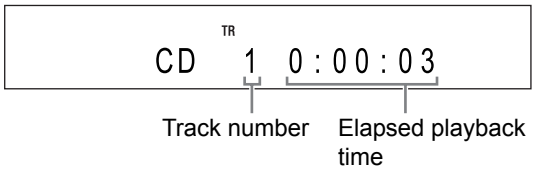
■When a disc is stopped



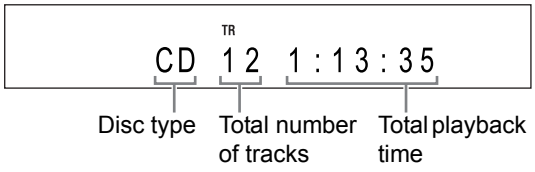
(When the PBC function is activated)

CD

■When a disc is played back

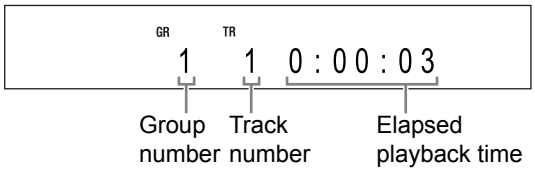


■When a disc is stopped

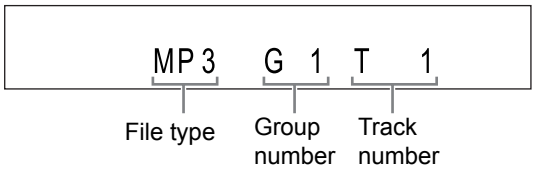


MP3/WMA/WAV/ASF/DivX/MPEG1/MPEG2 file

■When a file is played back



■When a file is stopped



■Changing the display in the display window (Only for MP3/WMA files)

For an MP3/WMA file, you can change the display in the display window to see tag information and a file name.

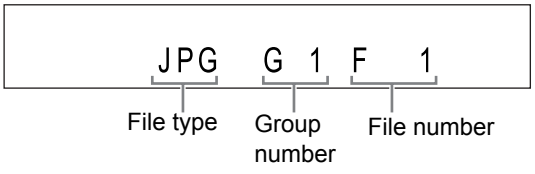
When a disc/file is played back

Press [DISPLAY] repeatedly.

- Each time you press [DISPLAY], the display changes in the display window.

JPEG file

■When a file is played back or stopped



Messages on the TV screen

When a DVD VIDEO is selected as the source, the messages shown below are displayed on the TV screen to indicate the disc status.

NOW READING:
Appears when the main unit is reading the disc information. Wait for a short time.

REGION CODE ERROR!:
Appears when the region code of the disc does not match the code the main unit supports. (Refer to page 49.)

NO DISC:
Appears when no disc is loaded.

OPEN:
Appears when the disc tray is opening.

CLOSE:
Appears when the disc tray is closing.

CANNOT PLAY THIS DISC:
Appears when an unplayable disc is attempted to be played back.

Guide icons on the TV screen (on-screen guide)

: Play

: Pause

: Fast reverse/fast forward search

: Slow motion playback (reverse/forward directions)

: Containing multi-view angles (Refer to page 30.)

: Containing multi-audio languages (Refer to page 30.)

: Containing multi-subtitle languages (Refer to page 30.)

: The disc/file cannot accept the operation you have attempted.

Indicators in the display window related to the speaker sound

The indicators light up in the display window to show the input signals and the speakers in use.

DD D	The input signal is DOLBY DIGITAL.
DD PL II	The input signal is processed using DOLBY DIGITAL PRO LOGIC II.
dts	The input signal is DTS.
L PCM	The input signal is LPCM.
SW	The sound is produced from the sub-woofer.
▢	The " L ", " R ", " LS " or " RS " indicator in the frame (▢) shows the speaker producing the sound.
L	The input signal is for the left speaker.
C	The input signal is for the center surround speaker.
R	The input signal is for the right speaker.
LFE	The input signal is LFE.
LS	The input signal is for the left speaker on the center surround speaker.
S	The input signal is monaural or 2-channel Dolby surround.
RS	The input signal is for the right speaker on the center surround speaker.
SURROUND	The surround mode is activated.

Stopping playback

DVD VIDEO VCD SVCD CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2

■When a disc/file is played back

Press ■.

Resuming playback

DVD VIDEO VCD SVCD CD MP3 WMA ASF DivX MPEG1 MPEG2 (only for the loaded disc)

When playback is stopped in the middle, playback can be started from the stopped position.

Temporarily stopping playback

■When a disc/file is played back

Follow any of the operations below.

Press ■ once.*1
Press [⏻/I AUDIO] to turn off the main unit.*2

*1 “RESUME” is displayed in the display window. After this operation, the position where playback has been stopped is stored even when the main unit is turned off by pressing [⏻/I AUDIO].

*2 This operation does not work for a CD.

Starting playback from the stored position

Press [DVD/CD ►] .

NOTE

- This function does not work in program playback or random playback.
- You can deactivate the resume playback function. (Refer to“RESUME” on page 39.)

Clearing the stored position

Press ■ twice.

NOTE

- The stored position is also cleared if the disc tray is opened.

Pausing playback

DVD VIDEO VCD SVCD CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2

■When a disc/file is played back

Press II.

- Press [DVD/CD ►] or [USB ►] to return to the normal playback.

Advancing the picture frame by frame

DVD VIDEO VCD SVCD DivX MPEG1 MPEG2

■When a disc/file is paused

Press II repeatedly.

Fast reverse/fast forward search

DVD VIDEO VCD SVCD CD MP3 WMA ASF DivX MPEG1 MPEG2

There are 2 methods.

■When a disc/file is played back

- **Press ◄◄ or ►►.**
  - Each time you press ►►, the speed increases. To restore the normal speed, press [DVD/CD ►] or [USB ►].
- **Hold down ⏮ or ⏭.**

NOTE

- For some discs/files, sound is intermittent or no sound is produced during fast reverse/fast forward search.
- The selectable speeds and displays vary by the disc/file type.

Playing back from a position 10 seconds before

DVD VIDEO

■When a disc is played back

Press [ONE TOUCH REPLAY ↶].

NOTE

- You cannot go back to the previous title.

Slow motion playback

DVD VIDEO VCD SVCD

■When a disc is paused

Press [⊖ SLOW] or [SLOW ⊕].

- Each time you press [⊖ SLOW] or [SLOW ⊕], the speed increases.
- Pressing [DVD/CD ►] cancels this function and starts normal playback.

NOTE

- No sound is produced.
- The picture motion in the reverse direction may not be smooth.
- For a VCD or SVCD, slow motion playback can be used in the forward direction only.

Skipping to the beginning of a chapter/track/file

DVD VIDEO CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2 VCD SVCD – (PBC off)

■When a disc/file is played back

Press ⏮ or ⏭ repeatedly.

- Press [GROUP/TITLE SKIP ⏮ / ⏭] to select the title or group.

Selecting a chapter/track using the number buttons

DVD VIDEO CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2 VCD SVCD—(PBC off)

■When a disc/file is played back

Press the number buttons to select the chapter number or track number.

Skipping at approximately 5 minute intervals

DivX

You can skip within a file at approximately 5 minute intervals. This is useful especially when you want to skip within a long file.

■When a disc/file is played back

Press ◄ or ►.

- Each time you press ◄ or ►, the playback position skips to the beginning of the previous or next interval. Each interval is approximately 5 minutes.

NOTE

- Intervals are automatically assigned from the beginning of a file.
- You can use this function only within the same file.

Selecting a track from the menu screen

DVD VIDEO VCD SVCD

■When a disc is stopped or played back

1 Press [MENU] or [TOP MENU].

- The menu screen is displayed.

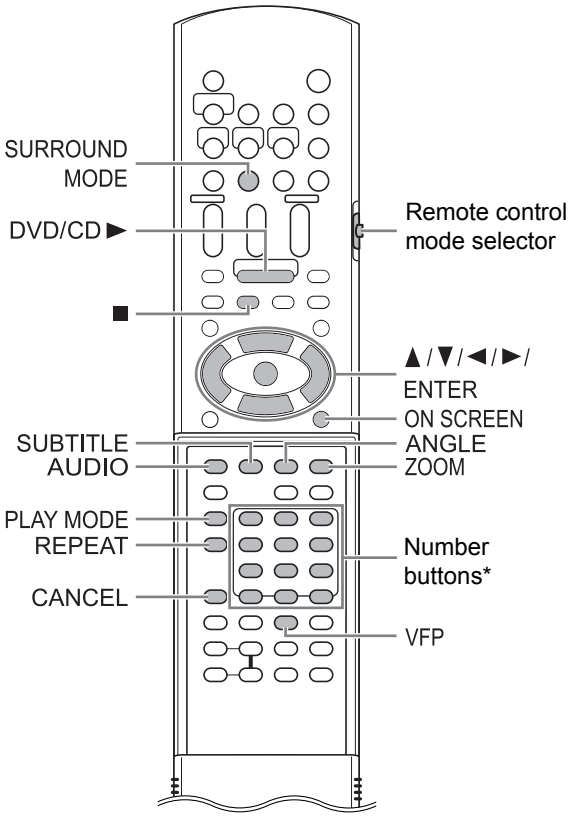
2 Press ▲, ▼, ◄ , ► or the number buttons to select the desired track.

3 Press [ENTER].

NOTE

- You can use this function only when a menu screen is recorded on the disc.
- For a VCD/SVCD, [MENU] and [TOP MENU] may be unavailable in step 1. In this case, press [RETURN] once or more.
- For a VCD/SVCD, you cannot use ▲, ▼, ◄ or ► in step 2.
- For a VCD/SVCD whose menu screen has a couple of pages, you can change the page by pressing ⏮ or ⏭ in step 2.
- Playback may start for some discs without pressing [ENTER] in step 3.

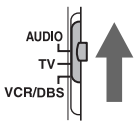
Convenient functions of disc/file playback



* For the number button usage, refer to “Using the number buttons” on page 16.

■ CAUTION

- Slide the remote control mode selector to [AUDIO].



Selecting the audio language, subtitle language and view angle

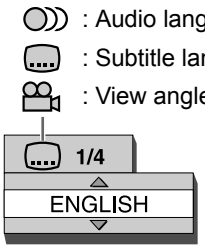
■When a disc/file is played back

Press the desired button shown below.

- Each time you press the button, the audio language, subtitle language or view angle changes.

Function	Button	Available disc/file
Audio language	**[AUDIO]**	DVD VIDEO, VCD SVCD, DivX
Subtitle language	**[SUBTITLE]**	DVD VIDEO, SVCD, DivX
View angle	**[ANGLE]**	DVD VIDEO

TV screen (example for the subtitle language)



NOTE

- The audio language, subtitle language and view angle can also be changed by pressing ▲ or ▼.
- You can only select these function settings when the disc/file contains multiple audio languages, subtitle languages or view angles.
- When a language code such as “AA” and “AB” is displayed, refer to “Language codes” on page 40.
- You can also use the menu bar to set the functions. Refer to page 35.
- “ST”, “L” and “R” displayed when playing back a VCD or SVCD, respectively, indicate “Stereo”, “Left sound” and “Right sound”.

Playing back a disc/file in the desired order (Program playback)

VCD SVCD CD
MP3 WMA WAV
(only for the loaded disc)

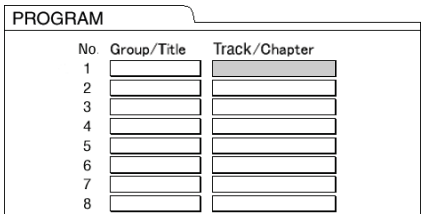
You can program a maximum of 99 tracks. The same track can be programmed more than once.

■When a disc/file is stopped

1 Press [PLAY MODE] repeatedly to display “PROGRAM” in the display window.

Example: Display for a CD

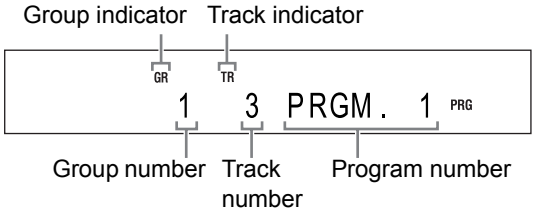
Example: TV screen for a CD (Program screen)



2 Press the number buttons to program tracks.

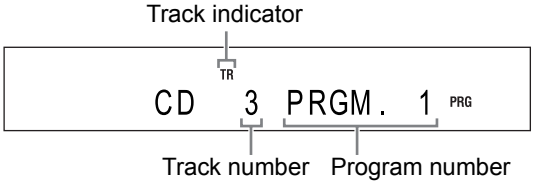
Display for an MP3/WMA/WAV file

- Select a group number, and then a track number.

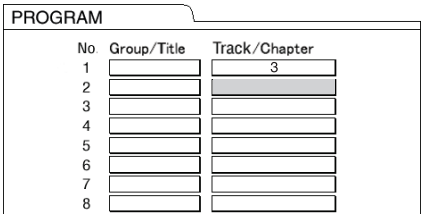


Display for a VCD/SVCD/CD

- Select a track number.



Example: TV screen for a CD (Program screen)



- You can program up to 99 tracks.

NOTE

- Instead of using the number buttons, when you press [ENTER] in the “Track/Chapter” column on the TV screen, “ALL” appears and all the tracks in the selected group are programmed.
- You can erase the programmed tracks one by one from the bottom of the list on the program screen by pressing [CANCEL] repeatedly.
- You can erase the whole program at once by pressing ■.
- Ejecting the disc or turning off the main unit also erases the program.

3 Press [DVD/CD ►].

Confirming the program

■When a disc/file is played back

Press ■.

- Playback stops and the program screen appears on the TV screen.

Canceling program playback

■When a disc/file is stopped

Press [PLAY MODE] repeatedly to display an item other than “PROGRAM” in the display window.

- This operation does not erase the program.

Playing back a disc/file in a random order (Random playback)

DVD VIDEO VCD SVCD CD MP3 WMA WAV (only for the loaded disc)

■When a disc/file is stopped

1 Press [PLAY MODE] repeatedly to display "RANDOM" in the display window.

• Selecting an item other than "RANDOM" cancels random playback.

2 Press [DVD/CD ►].

NOTE

- Each chapter or track is played back only once.
- Ejecting the disc or turning off the main unit cancels random playback.

Magnifying the picture

DVD VIDEO VCD SVCD

■When a disc is played back or paused

1 Press [ZOOM].

• Each time you press the button, the picture magnification changes in the display window.

2 Select the portion you want to magnify by using ▲, ▼, ◄ or ►.

• To return to normal playback, select "ZOOM x 1" in step 1.

NOTE

- When you magnify a picture, image quality may be deteriorated or the image may be distorted.

Playing back a disc/file repeatedly (Repeat playback)

DVD VIDEO CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2 VCD SVCD—(PBC off)

■When a disc/file is played back

Press [REPEAT].

- Each time you press [REPEAT], the repeat mode changes.

Display on the TV screen	Display in the display window	Indicator in the display window	Usage for the repeat mode
TITLE	REPEAT TITLE	ALL	Repeats the current title.
ALL or REPEAT ALL	REPEAT ALL	ALL	Repeats all tracks*1.
GROUP or REPEAT GROUP	REPEAT GROUP	GR	Repeats the current group.
CHAP*2	REPEAT CHAP*2		Repeats the current chapter.
TRACK*2 or REPEAT TRACK	REPEAT TRACK*2		Repeats the current track.
OFF or no display	REPEAT OFF	—	Cancels repeat.

*1 Repeats the whole program during program playback.

*2 “STEP” is displayed during program/random playback.

NOTE

- Repeat playback can also be set using the menu bar. (Refer to page 35.)
- You can also specify a part to be played back repeatedly by using A-B repeat playback. (Refer to page 36.)
- The repeat mode is automatically canceled if there is a file that cannot be played back.

Selecting the surround mode

DVD VIDEO VCD SVCD CD MP3 WMA

Press [SURROUND MODE].

- Each time you press [SURROUND MODE], the display changes in the display window as follows.
  - “AUTO SURROUND”
    When a multi-channel signal is input, surround sound is automatically produced.
  - “MOVIE/M.MUSIC”
    Surround sound suitable for a movie or multi-channel signal is produced.
  - “WIDE/2chMUSIC”
    When a 2ch signal is input, surround sound is produced. The sound is broader than the one with “MOVIE/M.MUSIC”.
  - “SUPER WIDE”
    Surround sound broader than the one with the “WIDE/2chMUSIC” is produced.
  - “SURROUND OFF”
    Turns off the surround sound.

NOTE

- When a surround-processed signal is input while “AUTO SURROUND”, “MOVIE/M.MUSIC”, “WIDE/2chMUSIC” or “SUPER WIDE” is selected, the “SURROUND” indicator in the display window lights up.
- Depending on the signal type, surround sound may not be produced as the surround mode setting.
- During playback, when you change the surround mode setting, sound from the [LINE OUT] and [LINE-DIGITAL OUT] terminals may be intermittent. Before recording sound to another device, select the desired surround mode setting.

Adjusting the picture quality (VFP)

DVD VIDEO VCD SVCD

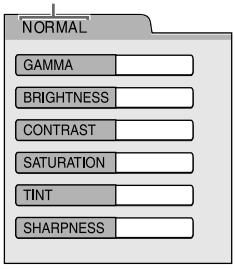
■When a disc is played back or paused

1 Press [VFP].

• The current settings are displayed.

TV screen (example)

Selected VFP mode



2 Press ◄ or ► to select VFP mode.

• Each time you press ◄ or ►, VFP mode changes on the TV screen as follows.

- "NORMAL"
  For normal playback. (You cannot adjust the image quality.) Go to step 7.
- "CINEMA"
  Suitable for viewing a movie in a dim room. (You cannot adjust the image quality.) Go to step 7.
- "USER1/USER2"
  You can adjust the image quality. Go to step 3.

3 Press ▲ or ▼ to select the item you want to adjust.

• Each time you press ▲ or ▼, the item changes on the TV screen as follows.

- "GAMMA"
  Controls the brightness of neutral tints while maintaining the brightness of dark and light portions. (Selectable options: "LOW", "MID" and "HIGH")
- "BRIGHTNESS"
  Controls the brightness of the display. (Setting range: –8 to +8)
- "CONTRAST"
  Controls the contrast of the display. (Setting range: –12 to +12)
- "SATURATION"
  Controls the saturation of the display. (Setting range: –16 to +16)
- "TINT"
  Controls the tint of the display. (Setting range: –16 to +16)
- "SHARPNESS"
  Controls the sharpness of the display. (Selectable options: "LOW" and "HIGH")

4 Press [ENTER].

TV screen (example)

5 Press ▲ or ▼ to change the value.

6 Press [ENTER].

• To adjust other items, go back to step 3.

7 Press [VFP].

NOTE

- This function does not work when the [HDMI] terminal on the main unit is connected to a TV.
- If no operation is made for several seconds during the procedure, the settings made so far are automatically stored.
- "VFP" stands for "Video Fine Processor".

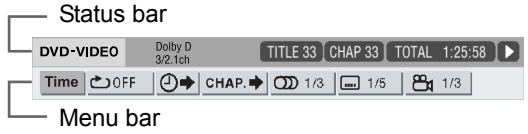
Using the status bar and the menu bar

DVD VIDEO VCD SVCD CD ASF DivX MPEG1 MPEG2

■When a disc/file is played back

1 Press [ON SCREEN] twice.

TV screen for a DVD VIDEO (example)

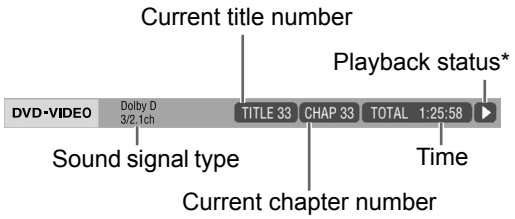


2 Press ◄ or ► to select an item you want to operate, and then press [ENTER].

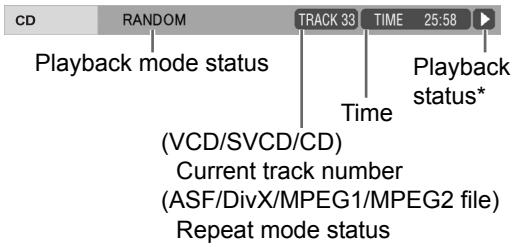
- To turn off the menu bar, press [ON SCREEN].

Information displayed on the status bar

DVD VIDEO



VCD/SVCD/CD/ASF/DivX/MPEG1/MPEG2
(the example below is for a CD)



NOTE

* The playback status has the same meaning of the mark on the on-screen guide. (Refer to page 26.)

Function list

To select the settings for those items listed below without a description of their operation, press ▲ or ▼ to select an item and press [ENTER].

Time Time display selection	Changes the time information in the display window and the status bar. Each time [ENTER] is pressed, the display changes on the menu bar. **DVD VIDEO (operating during playback)** TOTAL : Elapsed playback time of the current title. T.REM : Remaining time of the current title. Time : Elapsed playback time of the current chapter. REM : Remaining time of the current chapter. **CD (operating during playback)/ VCD/SVCD** Time : Elapsed playback time of the current track. REM : Remaining time of the current track. TOTAL : Elapsed playback time of the disc. T.REM : Remaining time of the disc.
OFF Repeat mode	Refer to page 33. (For A-B repeat playback, refer to page 36.)
Time search	Refer to page 36.
CHAP. Chapter search	**DVD VIDEO (chapter search)** Selects a chapter. Press the number buttons to enter the chapter number and press [ENTER]. **Examples:** 5 : [5] 24 : [≧10] → [2] → [4]
1/3 Audio language	**DVD VIDEO/VCD/SVCD/DivX** Refer to page 30.
1/ 5 Subtitle language	**DVD VIDEO/SVCD/DivX** Refer to page 30.
1/3 View angle	**DVD VIDEO** Refer to page 30.

Playing back a specified part repeatedly (A-B repeat playback)

DVD VIDEO CD VCD SVCD—(PBC off)

You can play back the desired part repeatedly by specifying a start point (A) and an end point (B).

■When a disc is played back

1 Press [ON SCREEN] twice.

• The menu bar appears. (Refer to page 35.)

2 Press ◄ or ► to select ↻ OFF.

3 Press [ENTER].

4 Press ▲ or ▼ to select "A-B".

5 Press [ENTER] at the start point of the part to be repeated (specifying point A).

• The icon on the menu bar is ↻ A-.

6 Press [ENTER] at the end point of the part to be repeated (specifying point B).

• The icon on the menu bar is ↻ A-B.

• The "⊂" and "A-B" indicators light up in the display window and the part between points A and B is played back repeatedly.

Canceling A-B repeat playback

There are 2 methods.

- **Press ■.**
- **Select ↻ OFF. (Select ↻ A-B and press [ENTER] twice.)**

NOTE

- You can use A-B repeat playback only within the same title or track.
- You cannot use A-B repeat playback during program playback, random playback or repeat playback.

Designating the time (Time search)

DVD VIDEO CD VCD SVCD—(PBC off)

■When a disc is played back

1 Press [ON SCREEN] twice.

• The menu bar appears. (Refer to page 35.)

2 Press ◄ or ► to select 🕘➡.

3 Press [ENTER].

4 Enter the time using the number buttons.

Example:
When you want to play back a DVD VIDEO from the position of (0 hour) 23 minutes 45 seconds, press the number buttons in the order of [0], [2], [3], [4] and [5].

• You can skip entering the minute and second settings.

• If the incorrect value is entered, press ◄ to delete the values and enter values again.

5 Press [ENTER].

• To turn off the menu bar, press [ON SCREEN].

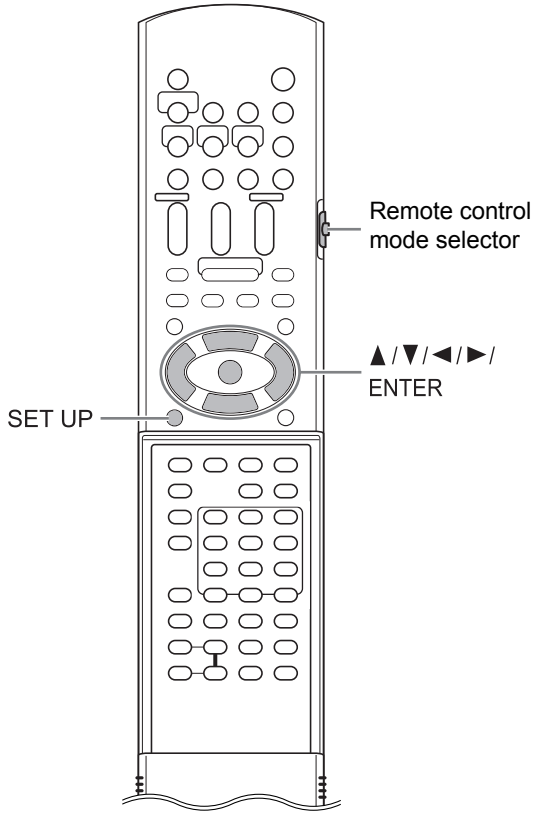
NOTE

- This function does not work during program playback or random playback.
- For a CD, you can use this function any time.
- Time search for a DVD VIDEO is from the beginning of the title.
- Time search for a VCD, an SVCD and a CD is as follows:
  - When the disc is stopped, time search is from the beginning of the disc.
  - When the disc is played back, time search is within the track currently being played back.

Changing the initial settings with the preference screen

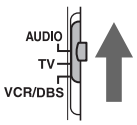
DVD VIDEO VCD SVCD CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2

You can change the initial settings of the main unit with the preference screen according to the environment where the main unit is used.



■ **CAUTION**

- Slide the remote control mode selector to [AUDIO].



NOTE

- The top and bottom of the preference screen may not be displayed on a wide TV. Adjust the picture size on the TV.

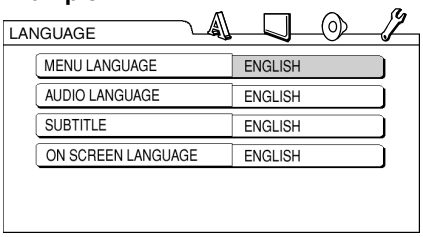
Basic operations

■ When a disc/file is stopped or no disc is loaded (“NO DISC” is displayed in the display window)

1 Press [SET UP].

- The preference screen appears on the TV screen.

Example:



2 Use ▲, ▼, ◄, ► and [ENTER] to control the preference screen.

- Proceed with operations by following the description on the TV screen.

LANGUAGE

Items	Contents
MENU LANGUAGE	Select the language for the DVD VIDEO menu screen.
AUDIO LANGUAGE	Select the audio language for the DVD VIDEO.
SUBTITLE	Select the subtitle language for the DVD VIDEO.
ON SCREEN LANGUAGE	Select the language displayed on the preference screen.

NOTE

- If the selected language is not recorded on the disc/file, the optimum language set for the disc/file is displayed.
- For a language code such as “AA”, refer to the “Language codes” on page 40.

PICTURE

Items	Contents (: initial setting)
MONITOR TYPE	Select the display method suitable for your TV. **4 : 3 PS (Pan Scan) :** For a TV with conventional 4:3 aspect ratio. When a wide screen picture is input, the left and right edges of the picture are not shown on the screen. (If the disc/file is not compatible with Pan Scan, the picture is displayed at the Letterbox ratio.) **4 : 3 LB (Letterbox) :** For a TV with conventional 4:3 aspect ratio. When a wide screen picture is input, black bars appear on the top and bottom of the screen. **16 : 9 :** For an ordinary wide TV.
PICTURE SOURCE	Select the item suitable to the video source. **AUTO :** The video source type (a video or film) is automatically selected. **FILM :** To view a film or video recorded with the progressive scan method. **VIDEO (ACTIVE) :** Suitable for playing back a video with a lot of action. **VIDEO (NORMAL) :** Suitable for playing back a video without a lot of action.

Items	Contents (: initial setting)
SCREEN SAVER	You can turn **ON** or **OFF** the screen saver. The screen saver activates when there is no operation made for approximately 5 minutes since a still picture was last displayed. **NOTE** • This function does not work when this system outputs the video signal via the [HDMI] terminal.
FILE TYPE	When files of different types are recorded on a disc or connected USB mass storage class device, select the file type before playback. **AUDIO :** For MP3/WMA/WAV files. **STILL PICTURE :** For JPEG files. **VIDEO :** For ASF/DivX/MPEG1/MPEG2 files.
HDMI DVI COLOR	You can select the settings for the picture appearance (image quality, color intensity and black fading) on the TV connected to the [HDMI] terminal. **STANDARD :** For normal usage. **ENHANCE :** The main unit automatically adjusts the picture appearance.
HDMI OUT	You can select the video signal type output from the [HDMI] terminal. **AUTO :** For normal usage. The main unit automatically selects the output video signal type according to the TV connected to the [HDMI] terminal. **RGB :** Select this item if no picture appears on the TV with the “AUTO” setting. The output video signal type is set to the RGB signal.

AUDIO

Items	Contents (: initial setting)
DIGITAL AUDIO OUTPUT	Select the output signal type suitable to the device connected to the [LINE-DIGITAL OUT] terminal. Refer to "List of relationships of DIGITAL AUDIO OUTPUT preference items and output signal" on page 40. **PCM ONLY :** Device corresponding only to linear PCM. **DOLBY DIGITAL/PCM :** Dolby Digital decoder or device having the same function. **STREAM/PCM :** DTS/Dolby Digital decoder or device having the same function.
DOWN MIX	Select the signal suitable to the device connected to the [LINE-DIGITAL OUT] terminal. Set "DOWN MIX" only when "DIGITAL AUDIO OUTPUT" is set to "PCM ONLY". **DOLBY SURROUND :** Dolby Pro Logic decoder-built-in device. **STEREO :** Ordinary audio device.
D (Dynamic). RANGE COMPRESSION	To correct the difference between high volume and low volume when playing back with low volume (only for a DVD recorded with Dolby Digital). **WIDE RANGE :** For enjoying the original full dynamic range of surround sound without effects. **NORMAL :** For normal usage. Surround sound is compressed to a certain level.
HDMI AUDIO OUT	You can select whether or not the audio signal from the [HDMI] terminal is output. **ON :** The audio signal from the [HDMI] is output. **OFF :** The audio signal from the [HDMI] is not output. **NOTE** • Depending on the connected TV, when "HDMI AUDIO OUT" is set to "ON", only PCM signals can be output via an HDMI cable.

OTHERS

Items	Contents (: initial setting)
RESUME	Select **ON** or **OFF**. (Refer to page 27.)
ON SCREEN GUIDE	Select **ON** or **OFF**. (Refer to page 26.)
AV COMPULINK MODE	When you want to control the main unit and the connected TV or other devices at the same time, select a setting according to the type of terminal on the device connected to the main unit. (Refer to "Using the AV COMPU LINK function" on page 46.) **DVD1 :** When connecting to the video 3 or DVD input terminal on the TV. **DVD2 :** When connecting to the video 1 input terminal on the TV. **DVD3 :** When connecting to the video 2 input terminal on the TV.
DivX REGISTRATION	The main unit has its own registration code. You can confirm the registration code, when necessary. Once you have played back a disc/file on which the registration code is recorded, the registration code of the main unit is overwritten for copyright protection.
NETWORK SETUP	Refer to the separate volume of the operation manual for the network function.

List of relationships of DIGITAL AUDIO OUTPUT preference items and output signal

Playback disc/file	DIGITAL AUDIO OUTPUT preference		
	STREAM/PCM	DOLBY DIGITAL/PCM	PCM ONLY
48 kHz, 16/20/24 bits linear PCM DVD VIDEO 96 kHz linear PCM DVD VIDEO	48 kHz, 16 bits stereo linear PCM		
DTS DVD VIDEO	DTS bit stream	48 kHz, 16 bits stereo linear PCM	
DOLBY DIGITAL DVD VIDEO	DOLBY DIGITAL bit stream		48 kHz, 16 bits stereo linear PCM
CD/VCD/SVCD	44.1 kHz, 16 bits stereo linear PCM 48 kHz, 16 bits linear PCM		
DTS CD	DTS bit stream	44.1 kHz, 16 bits linear PCM	
MP3/WMA/DivX file	32/44.1/48 kHz, 16 bits linear PCM		

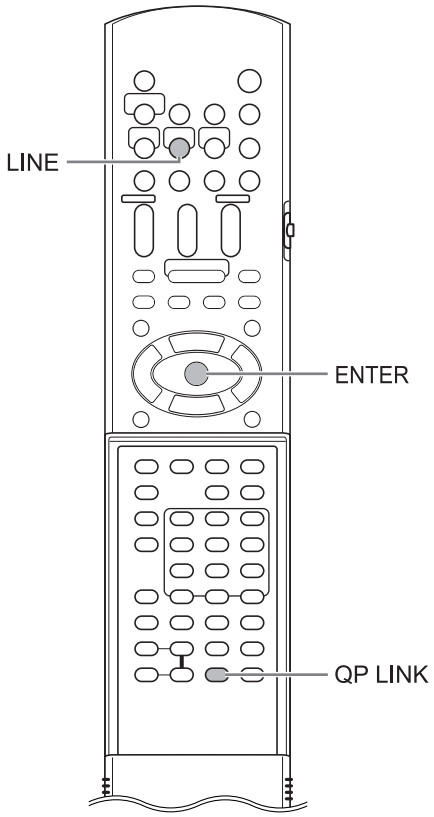
NOTE

- Among DVD VIDEOs without copyright protection, there may be some DVD VIDEOs that output a 20- or 24- bit signal through the [LINE-DIGITAL OUT] terminal.

Language codes

Code	Language	Code	Language	Code	Language	Code	Language
AA	Afar	GD	Scots Gaelic	MI	Maori	SL	Slovenian
AB	Abkhazian	GL	Galician	MK	Macedonian	SM	Samoan
AF	Afrikaans	GN	Guarani	ML	Malayalam	SN	Shona
AM	Ameharic	GU	Gujarati	MN	Mongolian	SO	Somali
AR	Arabic	HA	Hausa	MO	Moldavian	SQ	Albanian
AS	Assamese	HI	Hindi	MR	Marathi	SR	Serbian
AY	Aymara	HR	Croatian	MS	Malay (MAY)	SS	Siswati
AZ	Azerbaijani	HU	Hungarian	MT	Maltese	ST	Sesotho
BA	Bashkir	HY	Armenian	MY	Burmese	SU	Sundanese
BE	Byelorussian	IA	Interlingua	NA	Nauru	SV	Swedish
BG	Bulgarian	IE	Interlingue	NE	Nepali	SW	Swahili
BH	Bihari	IK	Inupiak	NL	Dutch	TA	Tamil
BI	Bislama	IN	Indonesian	NO	Norwegian	TE	Telugu
BN	Bengali, Bangla	IS	Icelandic	OC	Occitan	TG	Tajik
BO	Tibetan	IW	Hebrew	OM	(Afan) Oromo	TH	Thai
BR	Breton	JI	Yiddish	OR	Oriya	TI	Tigrinya
CA	Catalan	JW	Javanese	PA	Panjabi	TK	Turkmen
CO	Corsican	KA	Georgian	PL	Polish	TL	Tagalog
CS	Czech	KK	Kazakh	PS	Pashto, Pushto	TN	Setswana
CY	Welsh	KL	Greenlandic	PT	Portuguese	TO	Tonga
DA	Danish	KM	Cambodian	QU	Quechua	TR	Turkish
DZ	Bhutani	KN	Kannada	RM	Rhaeto-Romance	TS	Tsonga
EL	Greek	KO	Korean (KOR)	RN	Kirundi	TT	Tatar
EO	Esperanto	KS	Kashmiri	RO	Rumanian	TW	Twi
ET	Estonian	KU	Kurdish	RU	Russian	UK	Ukrainian
EU	Basque	KY	Kirghiz	RW	Kinyarwanda	UR	Urdu
FA	Persian	LA	Latin	SA	Sanskrit	UZ	Uzbek
FI	Finnish	LN	Lingala	SD	Sindhi	VI	Vietnamese
FJ	Fiji	LO	Laothian	SG	Sangho	VO	Volapuk
FO	Faroese	LT	Lithuanian	SH	Serbo-Croatian	WO	Wolof
FY	Frisian	LV	Latvian, Lettish	SI	Singhalese	XH	Xhosa
GA	Irish	MG	Malagasy	SK	Slovak	YO	Yoruba
						ZU	Zulu

Playing back sources from other devices



Selecting other devices as the source

1 Press [LINE].

- Each time you press [LINE], the display changes in the display window as follows.
  - "LINE 1" for selecting the device connected to the [LINE IN 1] terminal
  - "LINE 2" for selecting the device connected to the [LINE IN 2] terminals
  - "LINE-DIGITAL" for selecting the digital audio device connected to the [LINE-DIGITAL IN] terminal
- You can also select the connected device as the source by repeatedly pressing [SOURCE] on the main unit.

2 Start playback on the connected device.

- Refer also to the operation manual for the connected device.

3 Adjust the volume and make other necessary settings.

- Refer to "Basic operations" on page 16.

Selecting the signal gain

You can select the gain of the signal from the [LINE IN 1] and [LINE IN 2] terminals.
Use the initial settings for normal operation. If the sound is too small or too loud, change the settings.

1 Press [LINE] repeatedly to select "LINE 1" or "LINE 2" in the display window.

2 Hold down [ENTER].

- Each time you hold down [ENTER], the display changes as follows.

"LEVEL 1" : the initial setting for "LINE 2"
↓
"LEVEL 2"
↓
"LEVEL 3" : the initial setting for "LINE 1"

- The signal gain increases in the order of "LEVEL 1", "LEVEL 2" and "LEVEL 3".

NOTE

- You can select the signal gain respectively for "LINE 1" and "LINE 2".

QP LINK

When you start analog playback of a portable digital audio player connected to the [LINE IN 1] terminal while the main unit is off or another source is selected, the main unit automatically turns on and the source changes to the connected portable digital audio player. This function is called the quick portable link function (QP LINK).

Activating QP LINK

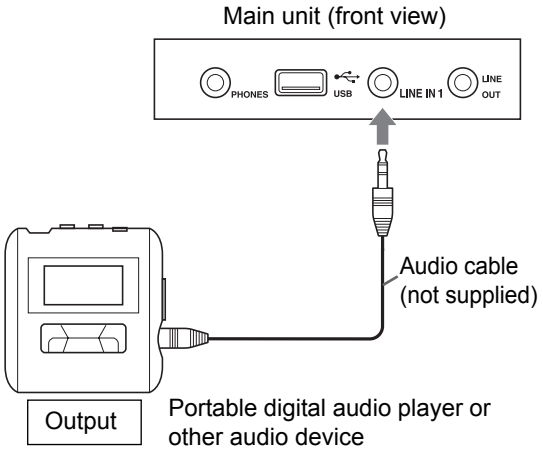
Press [QP LINK] repeatedly to select "QP ON" in the display window.

- To deactivate QP LINK, select "QP OFF".
- You can set QP LINK when the main unit is both on and off.

Using QP LINK

■When "QP ON" is selected

1 Connect a portable digital audio player to the [LINE IN 1] terminal using an audio cable.



2 Start playback on the portable digital audio player.

- If the main unit is off, the main unit automatically turns on.
- The source from the portable digital audio player is automatically selected, "LINE 1" is displayed and sound is produced.

NOTE

*1 When "QP ON" is displayed, ":ACT" or ":NO ACT" is also displayed to indicate the status of QP LINK. (According to the status of the main unit, ":ACT" and ":NO ACT" changes automatically.)
- "QP ON :ACT" is displayed when QP LINK is activated and available.
- "QP ON :NO ACT" is displayed when QP LINK is activated but unavailable.

Pressing [QP LINK] once can be used to confirm the status of QP LINK.

Selecting the sensitivity for QP LINK

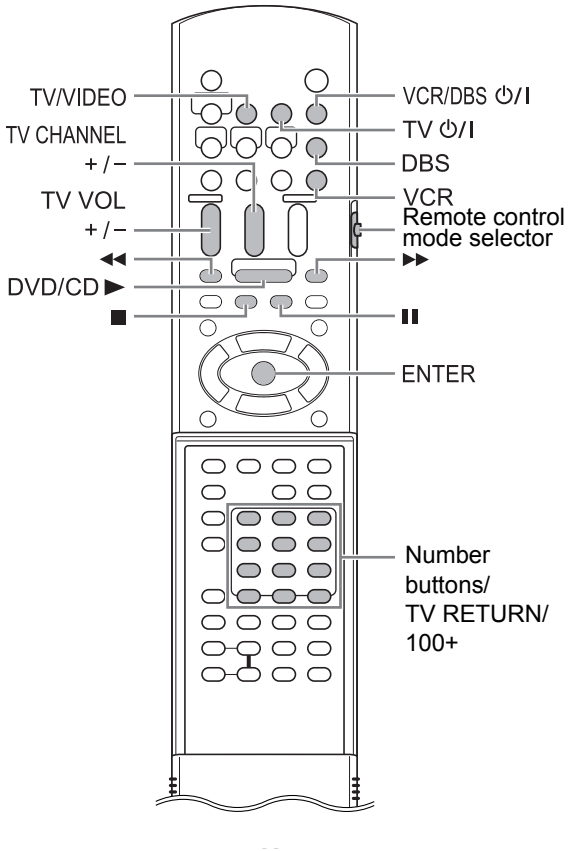
If the sensitivity for the input audio signal is too high, QP LINK may be activated even when the portable digital audio player is not played back. At this time, you can select the lower sensitivity.

Hold down [QP LINK].

- Each time you hold down [QP LINK], the display changes in the display window as follows.
  - "QP: LEVEL1" for normal usage (the initial setting)
  - "QP: LEVEL2" for lower sensitivity

Operating other devices using the remote control

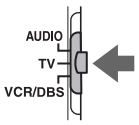
You can operate your TV, video cassette recorder (VCR) and digital broadcast satellite (DBS) using the remote control of this system.



Operating a TV using the remote control

Setting the manufacturer code

1 Slide the remote control mode selector to [TV].



2 Hold down [TV ⏻/I].

• Hold down [TV ⏻/I] until you finish step 4.

3 Press [ENTER] and release.

4 Press number buttons to enter the manufacturer code.

Examples:
For a Hitachi TV: Press [1], then [0].
For a Toshiba TV: Press [0], then [8].
When the manufacturer of your TV has 2 or more codes, select the manufacturer codes in turn and find the one that operates the TV and the remote control properly.

Manufacturer	Code
JVC	01
Hitachi	10
Magnavox	02
Mitsubishi	03
Panasonic	04, 11
Philips	15
RCA	05
Samsung	12, 18, 19, 20, 21
Sanyo	13, 14
Sharp	06, 16, 17
Sony	07
Toshiba	08
Zenith	09

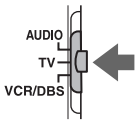
5 Release [TV ⏻/I].

NOTE

- Manufacturer codes are subject to change without notice. You may not be able to operate the TV produced by the manufacturer.
- After replacing the batteries of the remote control, set the manufacturer code again.

Using the remote control for the TV operation

Operate the remote control by pointing it at the TV.

Remote control button	Usage	
[TV ⏻/I]	Turns on/off the TV.	
[TV/VIDEO]	Changes between the TV and video input.	
[TV CHANNEL +/–]	Changes channels.	
[TV VOL +/–]	Adjusts volume.	
Number buttons (1-9, 0, 100+)	Slide the remote control mode selector to [TV] in advance. 	Selects the channels.
[TV RETURN]		Changes between the previously selected channel and the current channel.

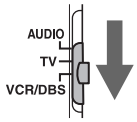
NOTE

- When the remote control mode selector is slid to [TV], some buttons may not work.

Operating a VCR/DBS using the remote control

Setting the manufacturer code

1 Slide the remote control mode selector to [VCR/DBS].



2 Press [VCR] or [DBS].

3 Hold down [VCR/DBS ⏻/I].

- Hold down [VCR/DBS ⏻/I] until you finish step 5.

4 Press [ENTER] and release.

5 Press number buttons to enter the manufacturer code.

Manufacturer codes for VCRs
Examples:
For a Hitachi VCR: Press [0], then [4].
For a Mitsubishi VCR: Press [1], then [3].
When the manufacturer of your VCR has 2 or more codes, select the manufacturer codes in turn and find the one that operates the VCR and the remote control properly.

Manufacturer	Code
JVC	01, 02, 03
Emerson	11, 26
Fisher	29
Funai	10, 14, 15, 16
Gold Star	12
Hitachi	04
Mitsubishi	13
NEC	25
Panasonic	07, 17
Philips	09
RCA	05, 06
Samsung	24
Sanyo	21, 22, 23
Sharp	27, 28
Shintom	30
Sony	18, 19, 20
Zenith	08

(Continued on the next page)

Manufacturer codes for DBSs
Examples:
For an Echostar DBS: Press [2], then [1].
For a Sony DBS: Press [2], then [0].
When the manufacturer of your DBS has 2 or more codes, select the manufacturer codes in turn and find the one that operates the DBS and the remote control properly.

Manufacturer	Code
G. I.	01, 02, 03, 04, 05, 06, 07, 08
Echostar	21
Hamlin	15, 16, 17, 18
Jerrold	01, 02, 03, 04, 05, 06, 07, 08
Pioneer	13, 14
RCA	19
Scientific Atlanta	09, 10
Sony	20
Zenith	11, 12

6 Release [VCR/DBS ⏻/I].

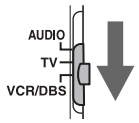
NOTE

- Manufacturer codes are subject to change without notice. You may not be able to operate the VCR/DBS produced by the manufacturer.
- After replacing the batteries of the remote control, set the manufacturer code again.

Using the remote control for the VCR/DBS operation

Before the VCR/DBS operation, select the remote control mode for the VCR/DBS.

1 Slide the remote control mode selector to [VCR/DBS].



2 Press [VCR] or [DBS].

Operate the remote control by pointing it at the VCR/DBS.

Remote control button assigned for the VCR operation

Remote control button	Usage
[VCR/DBS ⏻/I]	Turns on/off the VCR.
[VCR]	Selects the VCR input.
[TV CHANNEL +/–]	Changes channels.
Number buttons (1-10, 0, ≧10)	Selects the channels.
[DVD/CD ►]	Starts playback.
■	Stops playback.
❚❚	Pauses playback.
►►	Fast-forwards the tape.
◄◄	Fast-rewinds the tape.

Remote control button assigned for the DBS operation

Remote control button	Usage
[VCR/DBS ⏻/I]	Turns on/off the DBS.
[DBS]	Selects the DBS input.
[TV CHANNEL +/–]	Changes channels.
Number buttons (1-9, 0, ≧10)	Selects the channels.

NOTE

- When the remote control mode selector is slid to [VCR/DBS], some buttons may not work.

Using the AV COMPU LINK function

When a JVC-manufactured TV with AV COMPU LINK II or III terminals is connected to the main unit using these terminals, operating either the TV or the main unit controls the other device at the same time.

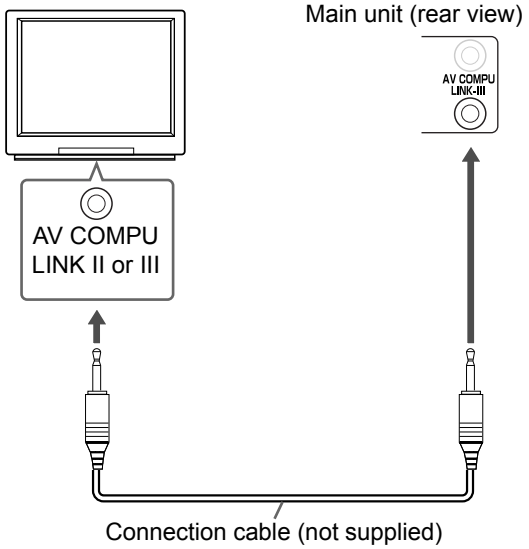
Preparation for the AV COMPU LINK function

NOTE

- Some JVC-manufactured TVs have terminals labeled “AV COMPU LINK”. These terminals are no different from the [AV COMPU LINK-III] terminal on the main unit of this system or, the “AV COMPU LINK I/II” or “AV COMPU LINK” terminal on other JVC-manufactured systems.
- Refer to “OTHERS” on page 39 for determining the “AV COMPULINK MODE” setting.
- Also refer to the manual of the TV to be connected to the main unit.

JVC-manufactured TV

Main unit (rear view)



Input terminal on the TV	“AV COMPULINK MODE” setting
Video 1	DVD2
Video 2	DVD3
Video 3	DVD1

- The AV COMPU LINK function may not work for some TVs when the main unit is connected to the video 2 or video 3 terminal on the TV.

Operating the AV COMPU LINK function

1 Turn on the main power of the TV.

2 Play back a disc/file.

- Refer to pages 22 – 24.
- The power of the TV is turned on.
- The input mode on the TV changes to the video 1, video 2 or video 3 (DVD) input.

NOTE

- You can use this function only when “NO HDMI” is selected for the monitor out type. (Refer to page 13.)

Notes on operation

Suitable locations for the main unit

To minimize the need for servicing and maintain the high quality of this system, do not place the main unit in the following locations:

- In a position subject to high humidity or considerable dust
- On an uneven or unstable surface
- Near a heat source
- Near a computer, fluorescent light or other electric appliance
- In a small room with insufficient ventilation
- In a position exposed to direct sunlight
- In a position exposed to excessive cold
- In a position exposed to strong vibration
- Near a TV, other amplifier, or tuner
- Near a magnetic source

■ CAUTION

- The operating temperature of this system is 5°C to 35°C (41°F to 95°F). Use in temperatures outside this range may cause a malfunction or damage the system.

Condensation

Under the following conditions, you may not be able to operate this system properly due to condensation formed on the lens of the main unit:

- When you have just started an air conditioner to warm your room
- When you have placed the main unit at an area with high humidity
- When you have moved the main unit from a cold place to a warm place

When condensation forms, leave the main unit turned on, wait for approximately 1 or 2 hours, and then operate the main unit.

Cleaning the main unit

When the operation panel becomes dirty, dust it with a soft dry cloth. When the operation panel is very dirty, wipe it with a cloth dampened with a small amount of a neutral detergent, and then wipe it with a soft dry cloth.

■ CAUTION

- Do not wipe the operation panel with thinners, benzenes or other chemical agents. Do not spray insecticides onto the operation panel. These may cause discoloration and damage to the surface.

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- Plays all versions of DivX® video (including DivX® 6) with standard playback of DivX® media files
- DivX, DivX certified, and associated logos are trademarks of DivX, Inc. and are used under license.
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- HDCP is the abbreviation of “High-Bandwidth Digital Content Protection”, and is the high-reliable copy control technology licensed by Digital Content Protection, LLC.

Notes on handling

Important cautions

Installation of the system
- Select a place which is level, dry and neither too hot nor too cold; between 5°C and 35°C (between 41°F to 95°F).
- Leave sufficient distance between the system and the TV.
- Do not use the system in a place subject to vibration.

Power cord
- Do not handle the power cord with wet hands!
- A small amount of power is always consumed while the power cord is connected to the wall outlet.
- When unplugging the power cord from the wall outlet, always pull on the plug, not the power cord.

To prevent malfunctions of the system
- There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.
- Do not insert any metallic object into the system.

Note about copyright laws
Check the copyright laws in your country before recording from CDs. Recording of copyrighted material may infringe copyright laws.

Safety Precautions

Avoid moisture, water and dust
Do not place the system in moist or dusty places.

Avoid high temperatures
Do not expose the system to direct sunlight and do not place it near a heating equipment.

When you are away
When away on travel or for other reasons for an extended period of time, disconnect the power cord plug from the wall outlet.

Do not block the vents
Blocking the vents may damage the system.

Care of the cabinet
When cleaning the system, use a soft cloth and follow the relevant instructions on the use of chemically-coated cloths. Do not use benzene, thinner or other organic solvents including disinfectants. These may cause deformation or discoloring.

If water gets inside the system
Turn the system off and disconnect the power cord plug from the wall outlet, then call the store where you made your purchase. Using the system in this condition may cause fire or electrical shock.

- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Notes on discs/files

Playable disc/file types

Playable discs *1	DVD VIDEO, VCD, SVCD, CD, CD-R, CD-RW, DVD-R, DVD-RW, +R, +RW
Playable files recorded on a disc *1, *2	MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1, MPEG2
Playable files recorded on a USB mass storage class device *3	
Playable files stored on a computer	Refer to the separate volume of the operation manual for the network function.

• Even though listed above, some types may be unplayable.

*1 Discs should be finalized before being played back.

*2 For files recorded on a DVD-R/DVD-RW, the disc should be formatted with UDF Bridge.

*3 This system may not recognize some USB mass storage class devices. This system cannot play back a file whose data volume is more than 2 gigabytes and a file whose data transfer rate is more than 2 Mbps.

It is possible to play back finalized +R/+RW (DVD Video Format only) discs. “DVD” lights on the front display panel when a +R/+RW disc is loaded.

Some discs may not be played back because of their disc characteristics, recording conditions, or damage or stains on them.

Only sounds can be played back from the following discs:

MIX-MODE CD CD-G
CD-EXTRA CD TEXT

This system is designed for use with the NTSC standard.

Region code of DVD VIDEO

DVD VIDEO players and DVD VIDEO discs have their own Region Code numbers. This system can play back a DVD VIDEO whose Region Code number includes the system’s Region Code, which is indicated on the rear panel.

Examples:

If a DVD VIDEO with an improper region code number is loaded, “REGION CODE ERROR!” appears on the TV screen and playback cannot start.

- **On some DVD VIDEOs, VCDs, SVCDs or DivX files, their actual operation may be different from what is explained in this manual. This is due to the disc/file programming and disc/file structure, not a malfunction of this system.**

Unplayable discs

- The following discs cannot be played back:
- DVD-ROM (except for MP3/WMA/JPEG/ASF/DivX/MPEG1/MPEG2 format), DVD-RAM, CD-ROM, CD-I (CD-I Ready), Photo CD, SACD, etc.
- Playing back these discs will generate noise and damage the speakers.
- Damaged discs and discs in an extraordinary shape (other than a disc of 12 cm or 8 cm ($4\frac{3}{4}$″ or $3\frac{3}{16}$″) in diameter) cannot be played back.
- JVC does not guarantee the operation and sound quality of discs not authorized by CD-DA, which is a CD specification.
  Before playback, confirm that the disc complies with this CD specification by checking the marks and reading notes printed on the package.

Playable MP3/WMA/WAV/JPEG/ASF/DivX/MPEG1/MPEG2 discs/files

- CDs recorded in the ISO 9660 format are playable (except CDs recorded in the “packet write” format (UDF format)).
- CDs recorded in the multi-session format are also playable.
- Files with an extension of “.mp3”, “.wma”, “.wav”, “.jpg”, “.jpeg”, “.asf”, “.divx”, “.div”, “.avi”, “.mpg” or “.mpeg” (extensions with uppercase and lowercase letters mixed are also acceptable) are playable.
- This system cannot play back DVDs recorded in multi-session or multi-border format.

Notes on MP3/WMA/WAV/JPEG/ASF discs/files

- A disc may not be played back, or reading it may take a long time depending on its recording conditions or properties.
- The time needed for reading varies with the number of groups or tracks (files) recorded on the disc.
- If a character other than single byte English characters is used in the file name of an MP3/WMA/JPEG/ASF file, the track/file name will not be displayed correctly.
- The order of tracks/groups displayed on the MP3/WMA menu screen, and the order of files/groups displayed on the JPEG menu screen may be different from that of files/folders displayed on a computer monitor screen.
- In the case of MP3/WMA discs, since groups/tracks are played back in alphabetical order, a commercially available MP3/WMA disc may be played back in an order different from that indicated on the label attached to the disc.
- Playing back an MP3/WMA file including a still image may take a long time. The elapsed time is not displayed until playing back starts. If playing back starts, the elapsed time may not be displayed correctly.
- For an MP3/WMA file, a disc with a sampling frequency of 44.1 kHz and transmission rate of 128 kbps is recommended.
- This system is not compatible with MP3i or MP3PRO.
- This system can play back a baseline JPEG file, excluding monochromatic JPEG files.
- This system can play back JPEG data taken with a digital camera conforming to the DCF (Design Rule for Camera File System) standard (when a function is applied such as the automatic rotation function of a digital camera, data goes beyond the DCF standard, so the image may not be displayed).
- If data has been processed, edited and restored with computer image editing software, the data may not be displayed.
- This system cannot play back animations such as MOTION JPEG, still pictures (TIFF etc.) other than JPEG, or image data with sound.
- The resolution of 640 x 480 pixels is recommended for JPEG files. If a file has been recorded at a resolution of more than 640 x 480 pixels, display may take a long time. An image with a resolution of more than 8 192 x 7 680 pixels cannot be displayed.
- The system supports ASF files recorded with the maximum bit rate of 384 kbps and an audio coder decoder of G.726.
- For a WAV file, a disc with a sampling frequency of 44.1 kHz and a transmission rate of 16 bits is recommended.

Notes on DVD-R/DVD-RW

- This system does not support a disc recorded in multi-border format.
- This system does not support a disc recorded in DVD VR format.

Notes on DivX discs/files

- The system supports DivX 5.x, 4.x and 3.11.
- The system supports DivX files with a resolution of 720 x 480 pixels or less (30 fps) and 720 x 576 pixels or less (25 fps).
- Audio stream should conform to MPEG1 Audio Layer-2 or MPEG Audio Layer-3 (MP3).
- The system does not support GMC (Global Motion Compression).
- Files encoded in the interlaced scanning mode may not be played back correctly.
- Playing back a DivX file may take a long time. The elapsed time is not displayed until playback starts. The elapsed time may also not be displayed correctly.

Notes on MPEG1/MPEG2 discs/files

- The stream structure of MPEG1/MPEG2 discs and files should conform to MPEG system/program stream.
- 720 x 576 pixels (25 fps)/720 x 480 pixels (30 fps) is recommended for the highest resolution.
- This system also supports the resolutions of 352 x 576/480 x 576/352 x 288 pixels (25 fps) and 352 x 480/480 x 480/352 x 240 pixels (30 fps).
- The profile and level should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/MP@LL (Main Profile at Low Level).
- Audio streams should conform to MPEG1 Audio Layer-2, MPEG2 Audio Layer-2 or Dolby Digital (MPEG2 only).

Caution for DualDisc playback

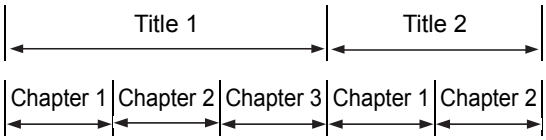
The Non-DVD side of a “DualDisc” does not comply with the “Compact Disc Digital Audio” standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

Notes on files recorded on a connected USB mass storage class device

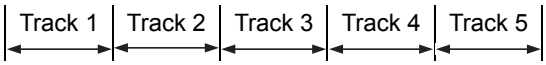
- JVC bears no responsibility for any loss of data on the USB mass storage class device while using this system.
- This system is compatible with USB 2.0 Full-Speed.
- Tracks coded or encrypted using a special method cannot be played on the system.
- Some portable audio players are not compatible with the system.
- This system may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management).

Data hierarchy

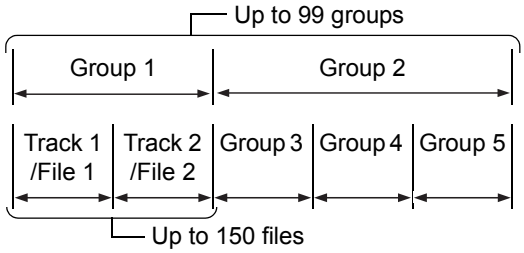
DVD VIDEO
A DVD VIDEO consists of “titles” and each title may be divided into “chapters”.



VCD/SVCD/CD
A VCD/SVCD/CD consists of “tracks”.
In general, each track has its own track number. (On some discs, each track may also be further divided by indexes.)



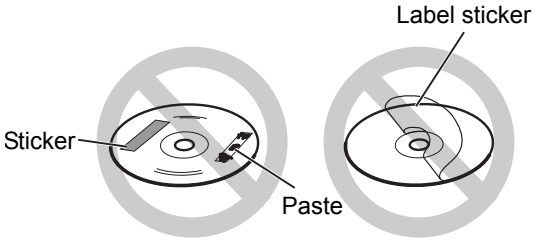
MP3/WMA/WAV/JPEG/ASF/DivX/MPEG1/ MPEG2 files
Audio, still pictures and video are recorded as tracks/files on a disc or a USB mass storage class device. Tracks/files are usually grouped into a folder. Folders can also include other folders, creating hierarchical folder layers.
This system simplifies the hierarchical construction of files and manages folders by “groups”.



This system can recognize up to 4 000 tracks/files on a disc. Also, the system can recognize up to 150 tracks/files per group and up to 99 groups on a disc. Since the system ignores the tracks/files with numbers exceeding 150 and the groups with numbers exceeding 99, these cannot be played back. If there are any type of files other than MP3/WMA/WAV/JPEG/ASF/DivX/MPEG1/MPEG2 files on a disc, those files are also counted in the total file number.

Handling discs

- Do not use any non-standard shape disc (like a heart, flower or credit card, etc.) available on the market, because it may damage the system.
- Do not use a disc with tape, stickers, or paste on it, because it may damage the system.
- Do not bend the disc.



Cleaning discs

Wipe the disc from the center outward with a soft cloth.

Scratches concentrated on a certain part cause sound dropout.

- Be sure not to use thinners, benzenes, cleaners for analog records, or other chemical agents.

Troubleshooting

Problem	Possible cause	Possible solution	Reference page
No sound/video is produced.	Improper connection.	Connect all cables properly.	5
	Headphones are connected.	Disconnect the headphone plug.	3
No sound/video is produced via the [HDMI] terminal.	A disc/file recorded in a format incompatible with the main unit/ TV is played back.	Confirm the playable disc/file types.	49
	The connected TV is not compatible with HDCP.	Connect a TV compatible with HDCP.	11, 12
	The main unit fails to recognize the TV connected to the [HDMI] terminal.	Disconnect the HDMI cable and connect it again.	11, 12
	An HDMI cable longer than 5 m (15 feet) is used.	Use an HDMI cable of 5 m (15 feet) or shorter to assure stable operation and picture quality.	–
Disc playback does not start.	The disc is upside down.	Place the disc on the disc tray with the printed surface facing up.	22
	Moisture has condensed on the lens.	Leave the main unit turned on, wait for approximately 1 or 2 hours, and then operate the main unit.	47
A certain point cannot be played back properly.	The disc is scratched or dirty.	Clean or replace the disc.	52
The picture is distorted when the TV is connected to the [HDMI] terminal.	The proportion of the picture is not appropriate.	Connect the TV to the [VIDEO] terminal or [S-VIDEO] terminal, and select the video signal type and the monitor out type.	11-13
A radio broadcast cannot be received.	No antenna is connected.	Connect an antenna.	5
A whirring noise is produced.	The main unit is located close to a TV, computer, or other electric appliance.	Place the main unit away from a TV, computer, or other electric appliance.	48
The disc tray does not eject.	If “LOCKED” appears in the display window, disc ejection has been locked.	Cancel the disc ejection lock.	19
You cannot operate the remote control.	The remote control batteries are running low.	Replace the batteries with new batteries.	4
You cannot operate the main unit using the remote control.	The remote control mode selector on the remote control is slid to [TV] or [VCR/DBS].	Slide the remote control mode selector to [AUDIO].	16
MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1 or MPEG2 files cannot be played back.	The loaded disc may include files of different types (MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1 or MPEG2).	Select “FILE TYPE”. You can play back only the files of the types selected with “FILE TYPE”. If the main unit has read the file before you make the “FILE TYPE” setting, perform either of the following after setting “FILE TYPE” to the desired file type. • For playing back files on the disc, reload the disc. • For playing back files on the USB mass storage class device, disconnect the USB mass storage class device and then connect it again.	38
Playback starts suddenly.	QP LINK may be working. This is not a malfunction.	Select “QP OFF”.	42

If this system does not work properly despite the above “Possible solution”

Many functions of this system are controlled by microprocessors that can be reset by recycling the power supply. If pressing any button does not result in the normal action, disconnect the power cable from the outlet, wait for a while, and connect the power cable again.

Specifications

Main unit (CA-DD8/CA-DD3)

Tuner

FM frequency: 87.5 MHz - 108.0 MHz
AM frequency: 530 kHz - 1 710 kHz

Terminal (front of the main unit)

- Audio output headphone terminal x 1
  Impedance: 16 Ω to 1 kΩ
- USB digital input terminal x 1
- Analog input terminal x 1
  Stereo mini jack
- Analog output terminal x 1
  Stereo mini jack

Terminal (rear of the main unit)

- AV COMPU LINK terminal x 2
- Optical digital input terminal x 1
  –23 dBm to –15 dBm
- Optical digital output terminal x 1
  –23 dBm to –15 dBm
- System terminal x 1
- Component video output terminals (3) x 1
  Y: 1.0 Vp-p, sync negative, 75 Ω terminated
  P_B: 0.7 Vp-p, 75 Ω terminated
  P_R: 0.7 Vp-p, 75 Ω terminated
- Audio input terminals (2) x 1
  500 mV/47 kΩ
- Composite video output terminal x 1
  1.0 Vp-p, 75 Ω terminated
- S-video output terminal x 1
  Y: 1.0 Vp-p, 75 Ω terminated
  C: 0.286 Vp-p, 75 Ω terminated
- AM antenna terminal x 1
- FM antenna terminal x 1
- Ethernet terminal x 1
- HDMI monitor output terminal x 1

USB

Compatible with USB 2.0 Full-Speed
Compatible device: Mass storage class device
Compatible file system: FAT16, FAT32
Bus power supply: Max. 500 mA

General

Power source : AC 120 V ∿, 60 Hz
Power consumption (in operation):25 W
Power consumption (on standby):0.5 W
Dimensions (W x H x D):445 mm x 55 mm x 286.4 mm
($17\frac{9}{16}$″ x $2\frac{3}{16}$″ x $11\frac{5}{16}$″)
(including projecting parts)
Weight: 3.5 kg (7.8 lbs) (CA-DD8)
3.0 kg (6.7 lbs) (CA-DD3)

Subwoofer for DD-8 (SP-PWDD8)

Type: Bass reflex type
Magnetically shielded type

Amplifier:

- Subwoofer: 120 W at 4 Ω (110 Hz, THD 10%)
- Left/right speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)
- Center surround speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)

Speaker:

- 16 cm ($6\frac{5}{16}$″) cone
- Power handling capacity:120 W
- Impedance: 4 Ω
- Frequency range: 30 Hz - 230 Hz
- Sound pressure level:72 dB/W•m

General:

- Power source: AC 120 V ∿, 60 Hz
- Power consumption: 120 W
- Dimensions (W x H x D):242 mm x 364 mm x 363 mm ($9\frac{9}{16}$″ x $14\frac{3}{8}$″ x $14\frac{5}{16}$″)
- Weight: 12.6 kg (27.6 lbs)

Subwoofer for DD-3 (SP-PWDD3)

Type: Bass reflex type
Amplifier:
- Subwoofer: 120 W at 4 Ω (110 Hz, THD 10%)
- Left/right speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)
- Center surround speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)

Speaker:
- 16 cm (6 5/16 ″) cone
- Power handling capacity:120 W
- Impedance: 4 Ω
- Frequency range: 30 Hz - 230 Hz
- Sound pressure level:72 dB/W•m

General:
- Power source: AC 120 V ∿, 60 Hz
- Power consumption:120 W
- Dimensions (W x H x D):242 mm x 364 mm x 363 mm (9 9/16 ″ x 14 3/8 ″ x 14 5/16 ″)
- Weight: 12.3 kg (27.2 lbs)

Left and right speakers for DD-8 (SP-DD8F)

Type: 2-way 3-speaker bass reflex type
Magnetically shielded type
Speaker: 8 cm (3 3/16 ″) cone x 2 + 2 cm (13/16 ″) dome
Power handling capacity:30 W
Impedance: 3 Ω
Frequency range: 60 Hz - 40 kHz
Sound pressure level: 81 dB/W•m
Dimensions (W x H x D):289 mm x 1 101 mm x 289 mm (11 7/16 ″ x 3′7 3/8 ″ x 11 7/16 ″)
Weight (1 unit): 10.0 kg (22.1 lbs)

Left and right speakers for DD-3 (SP-DD3F)

Type: 2-way acoustic suspension type
Magnetically shielded type
Speaker: 9.5 cm (3 3/4 ″) x 1 cm (7/16 ″) direct drive + 2 cm (13/16 ″) dome
Power handling capacity:30 W
Impedance: 3 Ω
Frequency range: 100 Hz - 40 kHz
Sound pressure level:78 dB/W•m
Dimensions (W x H x D):165 mm x 376 mm x 165 mm (6 1/2 ″ x 14 13/16 ″ x 6 1/2 ″) (including stand)
Weight (1 unit): 1.0 kg (2.3 lbs) (including stand)

Center surround speaker (SP-DD8S)

Type:	1-way acoustic suspension type Magnetically shielded type
Speaker:	9.5 cm (3 3/4″) x 1 cm (7/16″) direct-drive
Power handling capacity:	30 W
Impedance:	3 Ω
Frequency range:	120 Hz - 40 kHz
Sound pressure level:	79 dB/W•m
Dimensions (W x H x D):	344 mm x 61 mm x 76 mm (13 9/16″ x 2 7/16″ x 3″) (including stand)
Weight:	0.95 kg (2.1 lbs) (including stand)

Designs and specifications are subject to change without notice.

Supplied accessories

- Remote control x 1
- Battery x 2
- FM antenna x 1
- AM loop antenna x 1
- Left/right speaker cable x 2
- Center surround speaker cable x 1
- System cable x 1
- Composite video cable x 1
- M4 x 25-mm (1″) screw for the stands of the left and right speakers x 6 (Only for DD-8)
- M4 x 16-mm (11/16″) screw for the stands of the left and right speakers x 6 (Only for DD-3)
- M5 x 14-mm (5/8″) screw for the stands of the center surround speaker x 2
- Bottom cover of the left and right speakers [for wall installation] x 2 (Only for DD-3)
- Main volume of the operation manual [this manual] x 1
- Separate volume of the operation manual for the network function x 1
- CD-ROM for the network function setup x 1 [This CD-ROM is for use on a computer. It cannot be played back on this system.]

For U.S.A.

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PARTS	LABOR
1 YR	**1 YR**

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Please do not return your product to the retailer

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2. Initial installation, installation and removal from cabinets or mounting systems.
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
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8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
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For customer use:

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Model No. : _____ Serial No. : _____

Purchase date : _____ Name of dealer : _____

JVC

EN, FR

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1006SKMMODJEM

English

Français

DD-8
DD-3

This manual explains the network function of this system.
Ce manuel explique les fonctions réseau de ce système.

SEPARATE VOLUME
INSTRUCTIONS FOR NETWORK FUNCTION
REGISTRE SEPARÉ
INSTRUCTIONS POUR LA FONCTION RÉSEAU

LVT1547-001A
[J]

Information on DLNA

- DLNA CERTIFIED™ Audio/Video/Image Player
- This system complies with DLNA Guidelines 1.0.
- You can play back the following file types using the network function of this system.
  LPCM, WAV, MP3, WMA, JPEG, ASF, DivX, MPEG1, MPEG2

NOTE

- "DLNA" stands for "Digital Living Network Alliance". Refer to the following website for details.
  http://www.dlna.org/

CyberLink Media Server is a registered trademark along with other company and product names mentioned in this publication, used for identification purposes and remain the exclusive property of their respective owners.

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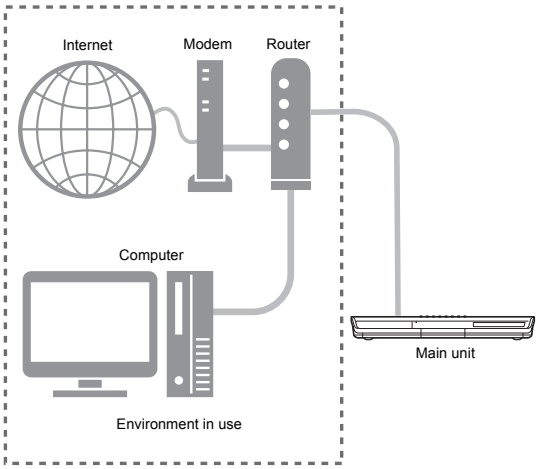
Introduction

Introduction to the network function

Outline of the network function

You can play back video, audio and still picture files stored on your computer by setting up the network with the computer and the main unit.



You must install CyberLink Media Server from the bundled CD-ROM to your computer.

CyberLink Media Server is a software application for sending video, audio and still picture files stored on your computer to the main unit.

The network can be easily set up without having to manually configure the IP address of the main unit by simply connecting a router with a DHCP function to the main unit. The DHCP function of the router automatically assigns the IP address to the main unit.

NOTE

- If the router does not have a DHCP function or you do not use the DHCP function, you must assign the IP address to the main unit manually.
- You can also use the network function by connecting the main unit to the computer directly. (Refer to page 19.)

File types compatible with this system

You can play back the following file types using the network function of this system.

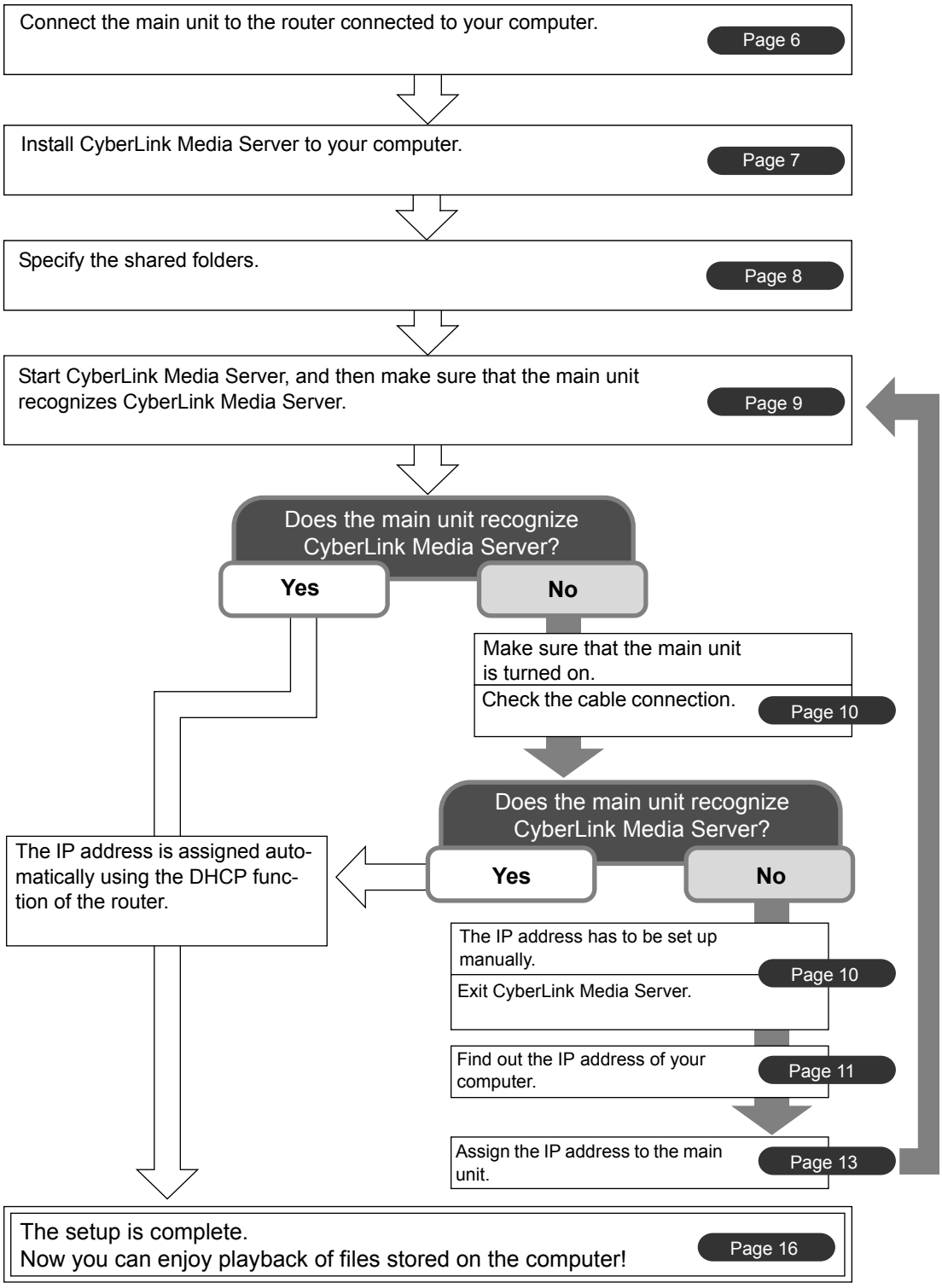
LPCM, WAV, MP3, WMA, JPEG, ASF, DivX, MPEG1, MPEG2

NOTE

- You cannot use the network function to play back a DivX DRM file stored on the connected computer.

General flow chart for the network function

Set up the system following the flow chart shown below. The procedure for setting up the system differs depending on your usage environment.


Connect the main unit to the router connected to your computer.
Page 6
Install CyberLink Media Server to your computer.
Page 7
Specify the shared folders.
Page 8
Start CyberLink Media Server, and then make sure that the main unit recognizes CyberLink Media Server.
Page 9
Does the main unit recognize CyberLink Media Server?
Yes
No
Make sure that the main unit is turned on.
Check the cable connection.
Page 10
Does the main unit recognize CyberLink Media Server?
Yes
No
The IP address is assigned automatically using the DHCP function of the router.
The IP address has to be set up manually.
Page 10
Exit CyberLink Media Server.
Find out the IP address of your computer.
Page 11
Assign the IP address to the main unit.
Page 13
The setup is complete.
Now you can enjoy playback of files stored on the computer!
Page 16

NOTE

- To connect the main unit to the computer directly, refer to “Connecting the main unit to the computer directly” on page 19.

Preparation

Set up your computer and network environment as follows.

Computer

You must install CyberLink Media Server from the bundled CD-ROM to your computer for playing back files stored on the computer with this system.

System Requirements

Operating system
- Requirement: Microsoft Windows XP Home Edition SP2, Windows XP Professional SP2, Windows XP Media Center Edition SP2

Processor
- Requirement: A 800 MHz processor, such as an Intel Pentium III or Advanced Micro Devices (AMD) processor
- Recommendation: A 2.0 GHz processor or faster

Random Access Memory (RAM)
- Requirement: 256 MB
- Recommendation: 512 MB

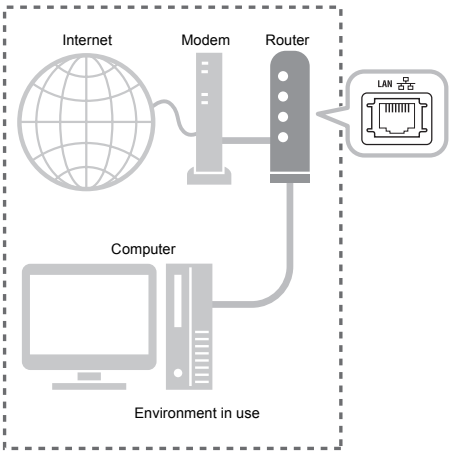
Free hard disk space
- Requirement: 50 MB
- Recommendation: 200 MB

Network Interface Card
- Requirement: Ethernet (802.3) or WiFi (802.11a or 802.11g) network adapter

VGA
- Requirement: Intel, nVidia or ATI VGA card with 64 MB VRAM

Networking device

Make sure that there is an available LAN terminal on the router.



Also, make sure that there is an available Ethernet cable (straight-through cable, not supplied). This cable is used for connecting the router and the main unit as shown on page 6.

NOTE
- To connect the main unit to the computer directly, refer to “Connecting the main unit to the computer directly” on page 19.

Connection

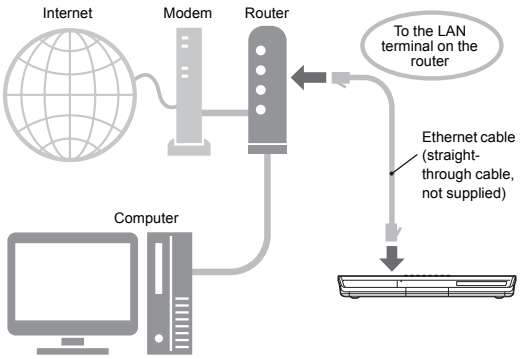
This part explains the procedure for connecting the main unit to the computer via a router with an Ethernet cable and confirming that the connection is completed properly.

NOTE

- Before following this procedure, connect the main unit, speakers and a TV referring to the main volume of the operation manual for this system.
- To connect the main unit to the computer directly, refer to “Connecting the main unit to the computer directly” on page 19.

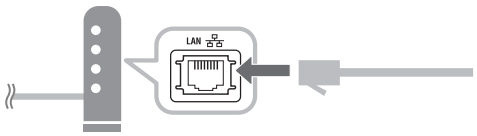
Connecting the main unit to the router

This part explains the procedure for connecting the main unit to the computer linked to the Internet via a router.

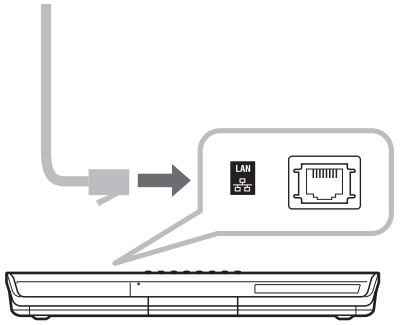


- The diagram shown above has been simplified by omitting the connection of the main unit, speakers and a TV. Refer to the main volume of the operation manual for connecting the devices shown above.
- The diagrams of the Internet and modem are omitted in the later explanations.

1 Connect one end of the Ethernet cable (straight-through cable, not supplied) to the LAN terminal on the router.



2 Connect the other end of the Ethernet cable to the LAN terminal on the main unit.



Installing CyberLink Media Server

The example TV and computer screenshots used in this manual may differ from the actual screen displays.

Installing CyberLink Media Server

CyberLink Media Server is a software application for sending video, audio and still picture files stored on your computer to the main unit.
This part explains the procedure for installing CyberLink Media Server from the bundled CD-ROM to the computer.

NOTE

- Make sure you close all anti-virus and other applications running on your computer before starting installation.
- This manual explains operations with the English version of both Windows XP and CyberLink Media Server as examples. Follow the explanation referring to the actual operations of your language version.
- Log onto the computer with administrative rights (Administrators).
- After installing CyberLink Media Server from the supplied CD-ROM, it is recommended that you upgrade CyberLink Media Server to enable you to utilize the latest functions. Refer to the website http://www.victor.co.jp/english/download/index-e.html for upgrading CyberLink Media Server.

(On the computer)

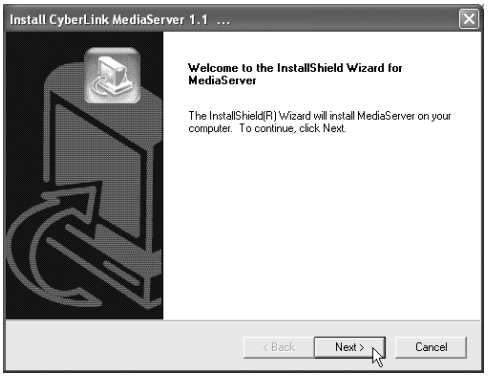
1 Start up Windows, and place the CyberLink Media Server Software CD-ROM into your computer's CD-ROM drive.

The installer should start up automatically, and display the screen shown below.

2 Select the language of the version you want to install, and then click [OK].

The program file runs and the "Install CyberLink MediaServer" window is displayed.

3 Click [Next >].


Install CyberLink MediaServer 1.1 ...
Welcome to the InstallShield Wizard for MediaServer
The InstallShield(R) Wizard will install MediaServer on your computer. To continue, click Next.
< Back
Next >
Cancel

The license agreement is displayed.

- After finishing this step, install CyberLink Media Server following the actual displayed explanations.

4 Confirm that the "CyberLink MediaServer" icon is displayed on the desktop.

You have finished installing CyberLink Media Server.

Specifying the shared folders

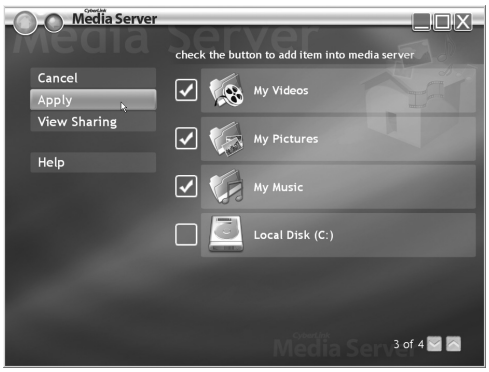
This part explains the procedure for selecting the default folders (“My Videos”, “My Pictures” and “My Music”) as examples.

(On the computer)

1 Double-click the “CyberLink MediaServer” icon on the desktop.

CyberLink Media Server starts.

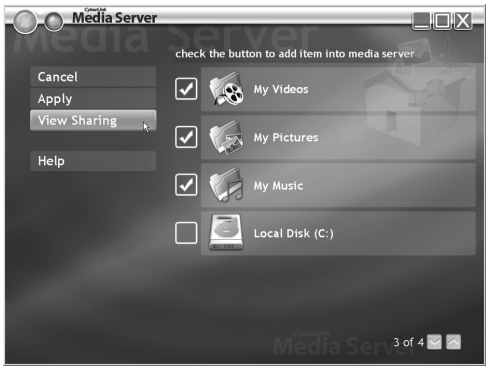
2 Select the check boxes next to “My Videos”, “My Pictures” and “My Music”, and click [Apply].



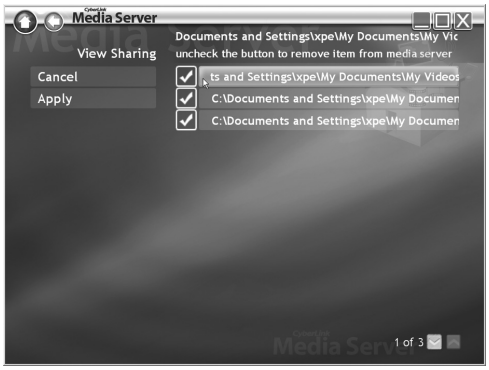
NOTE

- To select folders other than the default folders, refer to “Adding shared folders” on page 18.
- You can store files of different types in one folder. For example, even when video files and still picture files are stored in the “My Music” folder, you can play back those files.

3 Click [View Sharing].



4 Confirm that the names of the shared folders are displayed on the list.



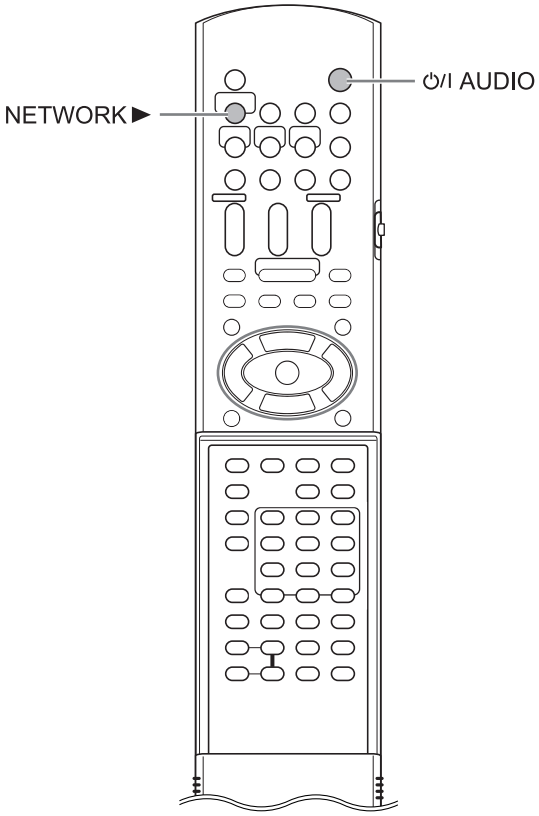
NOTE

- **To stop sharing a folder**
  Clear the check box next to it and click [Apply].
- **To go back to the previous screen**
  Click [←] in the upper left portion of the screen.
- **To exit CyberLink Media Server**
  Click [×] in the upper right portion of the screen.
- Before deleting a shared folder or file on the connected computer, cancel folder/file sharing on CyberLink Media Server.

Confirming the connection to the computer

This part explains how to start CyberLink Media Server for the first time and how to perform the following.

- Confirming that the main unit recognizes the computer.



Starting CyberLink Media Server

(On the remote control)

1 Press [⏻/I AUDIO] to turn on the main unit.

(On the computer)

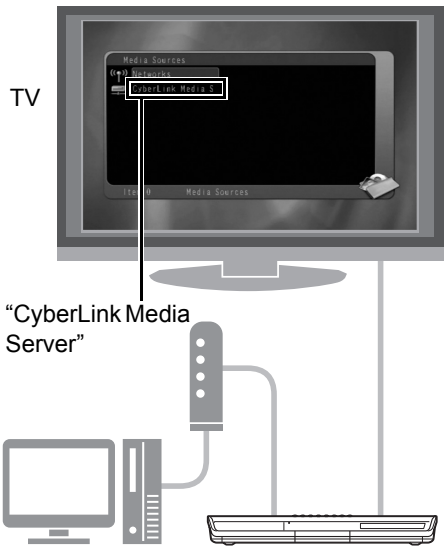
2 Double-click the "CyberLink MediaServer" icon on the desktop.

CyberLink Media Server starts.

(On the remote control)

3 Press [NETWORK ►].

4 Confirm that "CyberLink Media Server" is displayed on the TV screen.



Proceed to "Playing back files stored on the computer" on page 16.

If "CyberLink Media Server" is not displayed

The main unit may not detect the CyberLink Media Server for any of the following reasons. Determine the reason by referring to A and B shown below.

A The Ethernet cable may not be connected properly.

Possible cause:
The Ethernet cable may be of the wrong type (a crossover cable may be used) or may not be connected securely.

Possible solution:
Refer to "Connecting the main unit to the router" on page 6 to check that the Ethernet cable is a straight-through cable and is connected securely.

B You may be using a router that requires the IP addresses to be set up manually.

Possible cause:
The router connected to the main unit may not have a DHCP function that assigns the IP addresses automatically. Another possibility is that the IP addresses may be assigned manually without using the DHCP function of the router.

Possible solution:
The IP address of the main unit must be set up manually. Click [Cancel] to close the display on the computer screen and exit CyberLink Media Server. Next, assign the IP address to the main unit referring to "Setting up the IP address" on page 11.

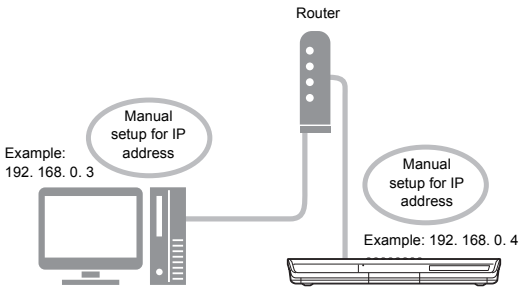
Setting up the IP address

You can skip this part when the main unit and the computer are connected to a router that uses DHCP function.

Occasions requiring the IP address setup

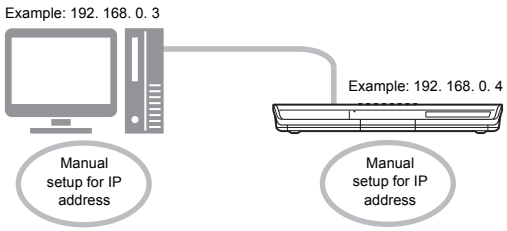
You must assign the IP address to the main unit manually in the following cases.

Case 1: When you have assigned an IP address to the computer manually



Case 2: When you have connected the main unit to the computer directly

Refer also to “Connecting the main unit to the computer directly” on page 19.



Determining the IP address of the computer

This part explains the procedure for determining the IP address of the computer by displaying the network setup.

NOTE

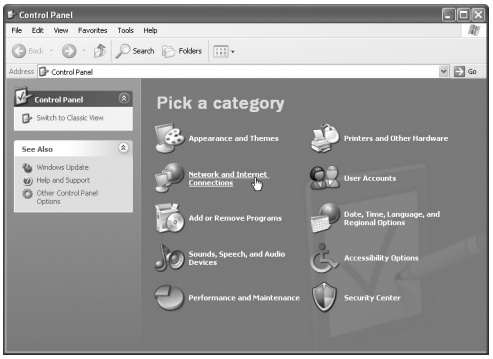
- Depending on the computer settings, you may need operations different from the explanation given in this part. Refer to “Help” in Windows for the following steps.

(On the computer)

1 Click [Start] and then “Control Panel”.

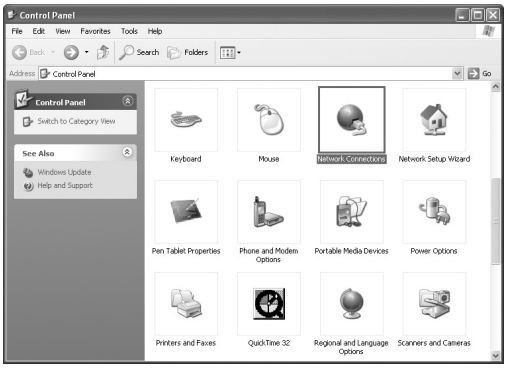
The “Control Panel” dialog box is displayed.

2 Click “Network and Internet Connections”.



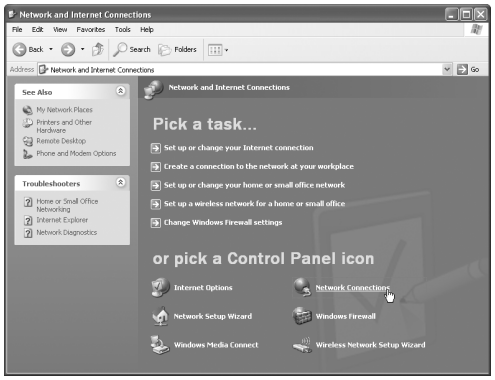
NOTE

- Depending on the computer settings, the “Control Panel” dialog box is displayed as shown below.

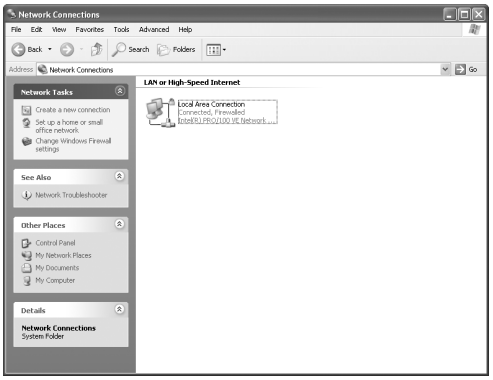


In this case, double-click the “Network Connections” icon and then proceed to step 4.

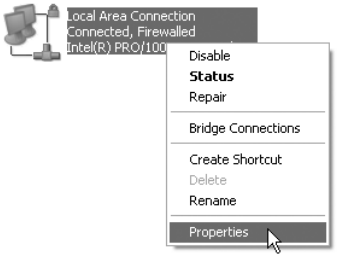
3 Click “Network Connections”.


Network and Internet Connections
Pick a task...
Set up or change your Internet connection
Create a connection to the network at your workplace
Set up or change your home or small office network
Set up a wireless network for a home or small office
Change Windows Firewall settings
or pick a Control Panel icon
Internet Options
Network Connections
Network Setup Wizard
Windows Firewall
Windows Media Connect
Wireless Network Setup Wizard

The “Network Connections” dialog box is displayed.

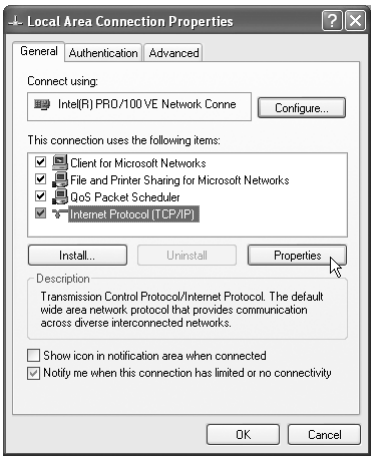


4 Right-click the “Local Area Connection” icon and then click [Properties].



The “Local Area Connection Properties” dialog box is displayed.

5 Click “Internet Protocol (TCP/IP)” and then click [Properties].

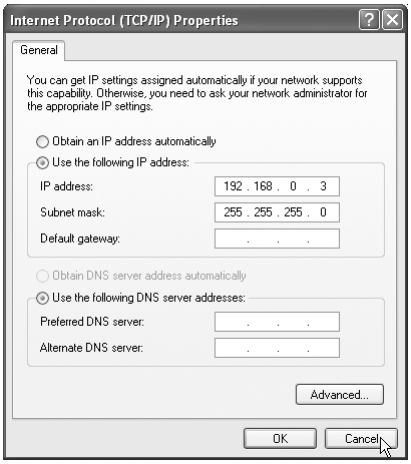


The “Internet Protocol (TCP/IP) Properties” dialog box is displayed.

(Continued on the next page.)

6 Confirm the values displayed in "IP address:" and "Subnet mask:".

Example:


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 0 . 3
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

Fill out the blank column with the values.

(The values are to be used in step 8 on page 15.)

IP address	. . .
Subnet mask	. . .

7 Click [Cancel].

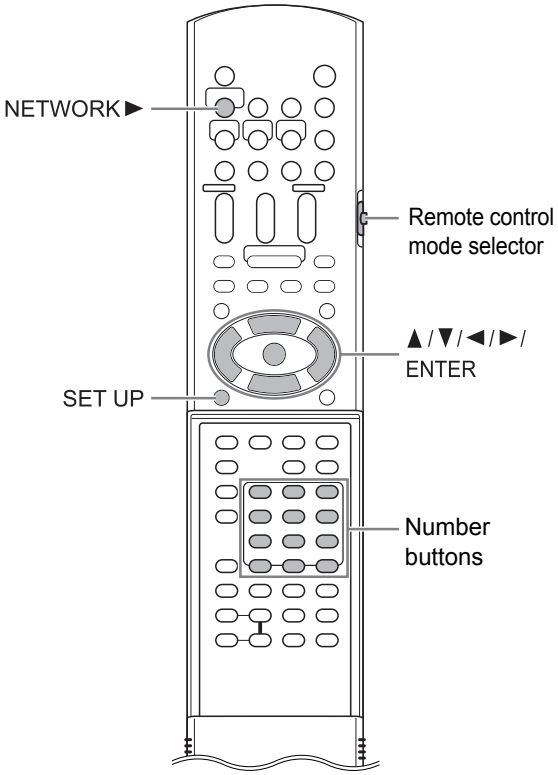
The dialog box is closed.

You have finished confirming the IP address of the computer.

Assigning the IP address to the main unit

This part explains the procedure for setting up the IP address of the main unit manually.

You can skip this part when the main unit and the computer are connected to a router using a DHCP function.

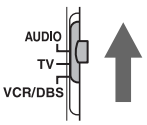


NOTE

- Before assigning the IP address to the main unit, press [NETWORK ►] to select the connected computer as the source. "NETWORK SETUP" on the preference screen is disabled when another source is selected.

(On the remote control)

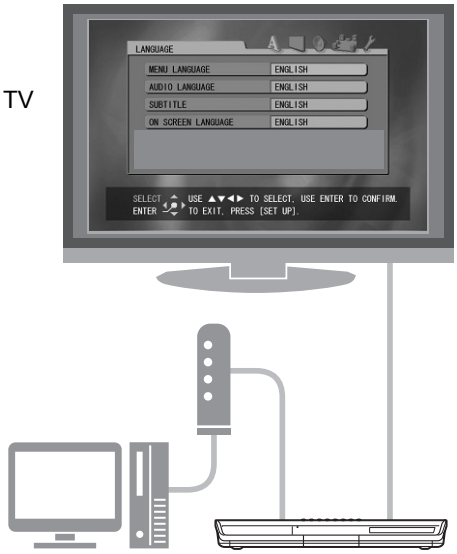
1 Slide the remote control mode selector to [AUDIO].



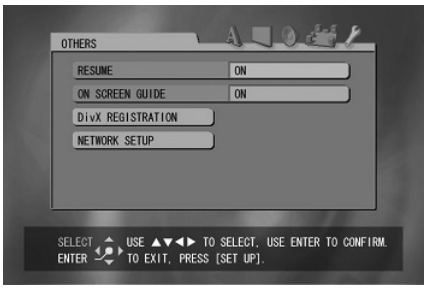
2 Press [SET UP] .

The preference screen is displayed on the TV screen.

TV


LANGUAGE
MENU LANGUAGE ENGLISH
AUDIO LANGUAGE ENGLISH
SUBTITLE ENGLISH
ON SCREEN LANGUAGE ENGLISH
SELECT USE ▲▼◄► TO SELECT, USE ENTER TO CONFIRM.
ENTER TO EXIT, PRESS [SET UP].

3 Press ► repeatedly to display “OTHERS”.



4 Press ▼ to select “NETWORK SETUP” and then press [ENTER].

NETWORK SETUP
OBTAIN IP DHCP
STATIC IP ADDRESS XXX.XXX.XXX.XXX
STATIC SUBNET MASK XXX.XXX.XXX.XXX
DEFAULT GATEWAY XXX.XXX.XXX.XXX
APPLY NOW
SELECT USE ▲▼◄► TO SELECT, USE ENTER TO CONFIRM.
ENTER TO EXIT, PRESS [SET UP].

5 Select “OBTAIN IP” and then press [ENTER].

6 Press ▲ or ▼ to select “STATIC IP” and then press [ENTER].

NOTE

- When changing the Internet connection environment by using a DHCP router or other devices that assign IP addresses automatically, select “DHCP” for “OBTAIN IP”.

7 Press ▼ to select “STATIC IP ADDRESS” and then press [ENTER].

NETWORK SETUP
OBTAIN IP STATIC IP
STATIC IP ADDRESS
STATIC SUBNET MASK
DEFAULT GATEWAY XXX.XXX.XXX.XXX
APPLY NOW
SELECT USE 0~9 KEYS TO INPUT, USE ENTER TO CONFIRM.
ENTER TO EXIT, PRESS [SET UP].

(Continued on the next page.)

8 Enter the IP address using the number buttons.

Confirm the IP address you have written down in the column on page 13.

Enter the same values of the IP address of the computer into the first, second and third group of digits (the first, second and third numerical blocks from the left).

Enter an arbitrary value (1 - 254) other than the one used in the IP address of the computer into the fourth group of digits (the first numerical block from the right).

Example for setup:

IP address of the computer	192.168. 0. 3 (=192.168.000.003)
IP address of the main unit	192.168.000.004

The first group
The second group
The third group
The fourth group (Only this value should be different from the one of the computer IP address.)

Note that the fourth group of digits should be different from the ones of other devices connected to the network.

9 Press [ENTER].

10 Press ▼ to select “STATIC SUBNET MASK” and then press [ENTER].

11 Enter the subnet mask using the number buttons.

Confirm the subnet mask you have written down in the column on page 13, and then enter the same value.

Example for setup:

Subnet mask of the computer	255.255.255. 0 (=255.255.255.000)
Subnet mask of the main unit	255.255.255.000

12 Press [ENTER].

13 Press ▼ to select “APPLY NOW” and then press [ENTER].

The settings are stored.

You have finished setting up the IP address of the main unit. Return to page 8.

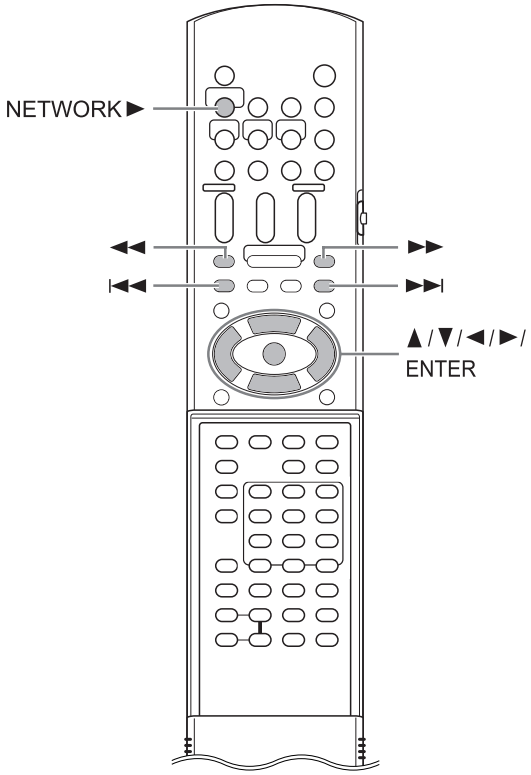
NOTE

- Usually, you do not have to set “DEFAULT GATEWAY”.
  For normal usage, leave the initial setting unchanged. Set “DEFAULT GATEWAY” only when you want to play back files stored on a computer that belongs to another network.

Playing back files stored on the computer

Playing back audio files

This part explains the procedure for playing back audio files stored on the computer.
You can play back video files and still picture files with almost the same procedure.



(On the computer)

1 Start CyberLink Media Server.

(On the remote control)

2 Press [NETWORK ►].

"CyberLink Media Server" is displayed.

"CyberLink Media Server"

3 Press ▼ to select "CyberLink Media Server".

Selected item is highlighted.

NOTE

- Store files you want to play back in the shared folders before proceeding.
- This part explains the procedure for playing back the "TRACK0001" file stored in the "My Music" folder as an example.
- Refer to the main volume of the operation manual for details on operating the main unit.

(Continued on the next page.)

4 Press [ENTER].

The shared folders are displayed.

Example:

5 Press ▼ to select “My Music”.

6 Press [ENTER].

The list of the audio files is displayed.

NOTE

- If the file list is not displayed, confirm that the files you want to play back are stored in the shared folder.

7 Press ▲ or ▼ to select the file you want to play back.

8 Press [ENTER].

Playback starts.

Press ■ to stop playback.

NOTE

- You can use the buttons shown below to navigate among the pages.
  Pressing ◄ or ► displays the previous or next page.
  Pressing ◄◄ or ►► skips 10 pages forward or backward.
  Pressing I◄◄ or ►►I skips to the top or bottom of the folder/file list.
- This part only explains the basic procedure for playing back files.

Adding shared folders

This part explains the procedure for adding shared folders (folders in which files you want to play back are stored).
You can add a shared folder, by 1) storing the desired folder in one of the default folders, and then 2) selecting the desired folder using CyberLink Media Server.

NOTE

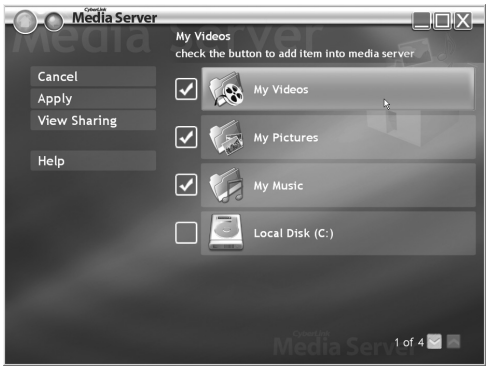
- You can also access the desired folder from CyberLink Media Server by moving down from the local disk to the subdirectories.
- This part explains the procedure for storing the “DATA” folder in the default “My Videos” folder and adding the “DATA” folder to the shared folders as examples.

1 Store the “DATA” folder in the “My Videos” folder using Windows.

2 Double-click the “CyberLink MediaServer” icon on the desktop.

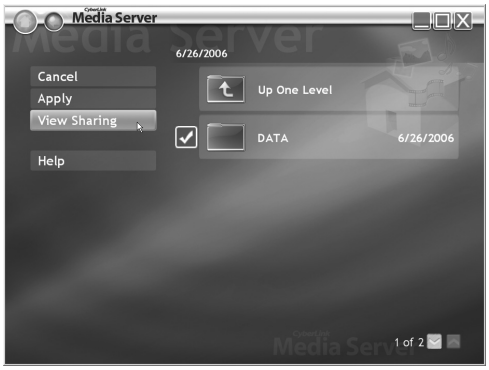
CyberLink Media Server starts.

3 Click [My Videos].

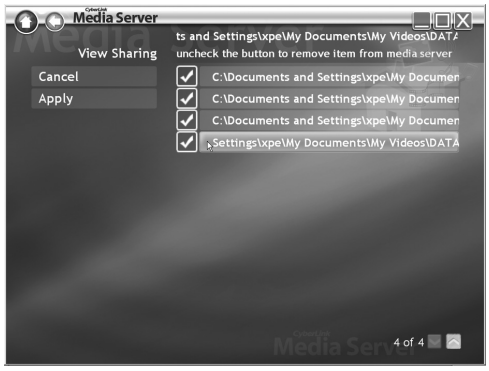


4 Select the check box next to [DATA], and click [Apply].

5 Click [View Sharing].



6 Confirm that the “DATA” folder is added to the list of shared folders.



NOTE

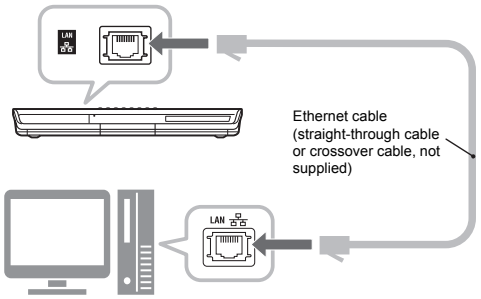
- **To stop sharing a folder**
  Clear the check box next to it and click [Apply].
- **To go back to the previous screen**
  Click [←] in the upper left portion of the screen.
- **To exit CyberLink Media Server**
  Click [×] in the upper right portion of the screen.

Connecting the main unit to the computer directly

This part explains the procedure for connecting the main unit to the computer directly.

You must install CyberLink Media Server to your computer before connecting the main unit to the computer. (Refer to page 7.)

1 Connect the main unit and the computer as shown in the diagram below.



2 Set up the computer so that it can obtain its IP address automatically.

Select “Obtain an IP address automatically” in step 6 on page 13, and then click [OK].

3 Set up the main unit so that it can obtain its IP address automatically.

Select “DHCP”, and then click [ENTER] in step 6 on page 14. (“DHCP” is selected as the initial setting.)
The main unit and the computer start to obtain the IP addresses recognizable by each other. Wait about one minute until the setup is complete.

NOTE

- You can also assign arbitrary values for the IP addresses by following pages 11 to 15.

4 Confirm the connection to the computer.

Set up the shared folders referring to “Specifying the shared folders” on page 8 and “Confirming the connection to the computer” on page 9.

- After finishing the shared folder setup, proceed to “Playing back files stored on the computer” on page 16.

Troubleshooting

Problem	Possible cause	Possible solution	Reference page
Files stored on the computer are not displayed.	The Ethernet cable is not connected.	Make sure the Ethernet cable is connected properly. (Insert the Ethernet cable until it clicks.)	6
	A wrong cable is used.	When connecting the main unit to a router, use a straight-through cable.	6
	CyberLink Media Server is not installed.	Install CyberLink Media Server to the computer.	7
	Incorrect IP addresses have been set manually. (When DHCP function is not used)	Check that the same values are set in the first, second and third group of digits and different values are set in the fourth group of digits for the main unit and the computer.	11-15
A file is not played back properly.	Another device is using the network connected to the main unit.	If another device is using the network while the main unit is playing back a file, the network may be confused, image frames may drop and sound may skip. Remove the device from the network before playing back a file.	-
A video, audio or still picture file cannot be played back.	The file type is not compatible with this system.	Use a file of the playable type.	3
	The file is corrupted.	You cannot play back a corrupted file.	-

JVC

EN, FR

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1106SKMMODJEM

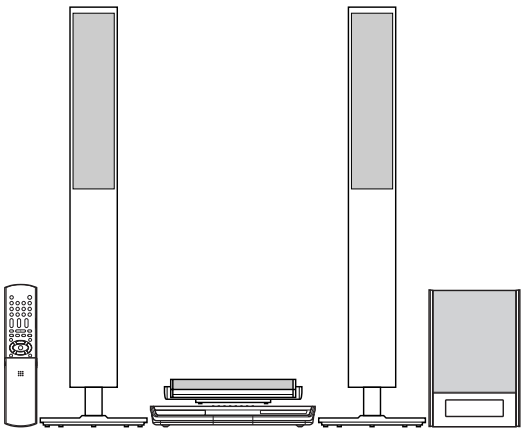
English

JVC

NETWORK MEDIA SYSTEM

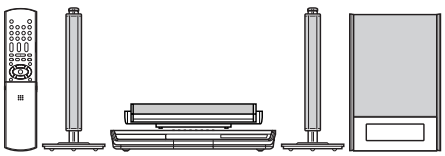
DD-8

Consists of CA-DD8, SP-PWDD8, SP-DD8F and SP-DD8S



DD-3

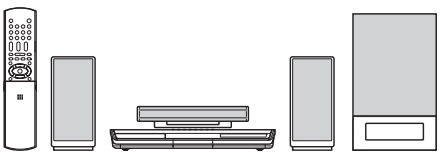
Consists of CA-DD3, SP-PWDD3, SP-DD3F and SP-DD8S



DIGITAL MEDIA SYSTEM

DD-1

Consists of CA-DD1, SP-PWDD1, SP-DD1F and SP-DD1S



Digital Direct Progressive Scan

DVD VIDEO™ DIVX® HOME THEATER DIVX® CERTIFIED VIDEO™ HDMI (Only for DD-8 and DD-3) MPEG-4 ASF PLAYBACK COMPACT disc SUPER VIDEO DOLBY DIGITAL PRO LOGIC II DIGITAL dts SURROUND

INSTRUCTIONS

LVT1546-009B
[A, US, UB, UW, UX]

Warnings, cautions and others

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

CAUTION

- Do not block the ventilation openings or holes.
  (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

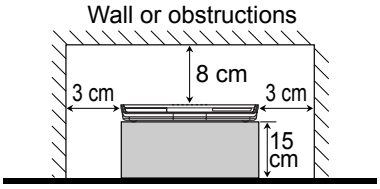
CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視及び/または不可視のクラス1Mレーザー放射が出ます。光学装置で直接見ないでください。 (JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44603-003A

CAUTION: Proper Ventilation

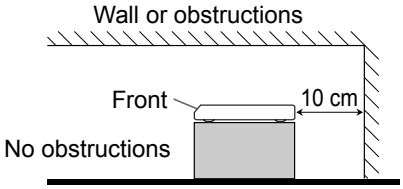
To avoid risk of electric shock and fire and to protect from damage, place the apparatus on a level surface. The minimal clearances are shown below:

Main unit (CA-DD8/CA-DD3/CA-DD1)

Front view

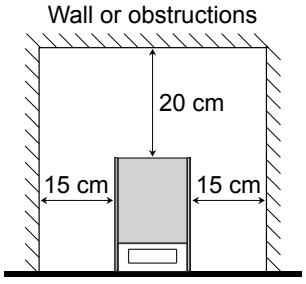


Side view

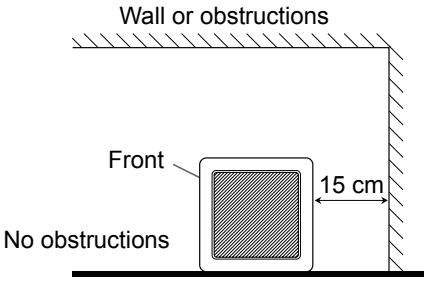


Subwoofer (SP-PWDD8/SP-PWDD3/SP-PWDD1)

Front view



Side view



CAUTION — ⏻/I button! (CA-DD8/CA-DD3/CA-DD1)

Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off). When installing the apparatus, ensure that the plug is easily accessible.

The ⏻/I button in any position does not disconnect the mains line.

- When the system is on standby, the STANDBY lamp lights red.
- When the system is turned on, the STANDBY lamp goes off.
  The power can be remote controlled.

CAUTION (SP-PWDD8/SP-PWDD3/SP-PWDD1)

The power supply to the subwoofer is linked to the center unit.

Disconnect the mains plug to shut the power off completely (the POWER ON lamp goes off).

When installing the apparatus, ensure that the plug is easily accessible.

- When the system is turned on, the POWER ON lamp lights green.

CAUTION

To avoid personal injury or accidentally dropping the unit, have two persons unpack, carry, and install the unit.

SP-DD8: 41 kg

[European Union only]

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Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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How to read this manual

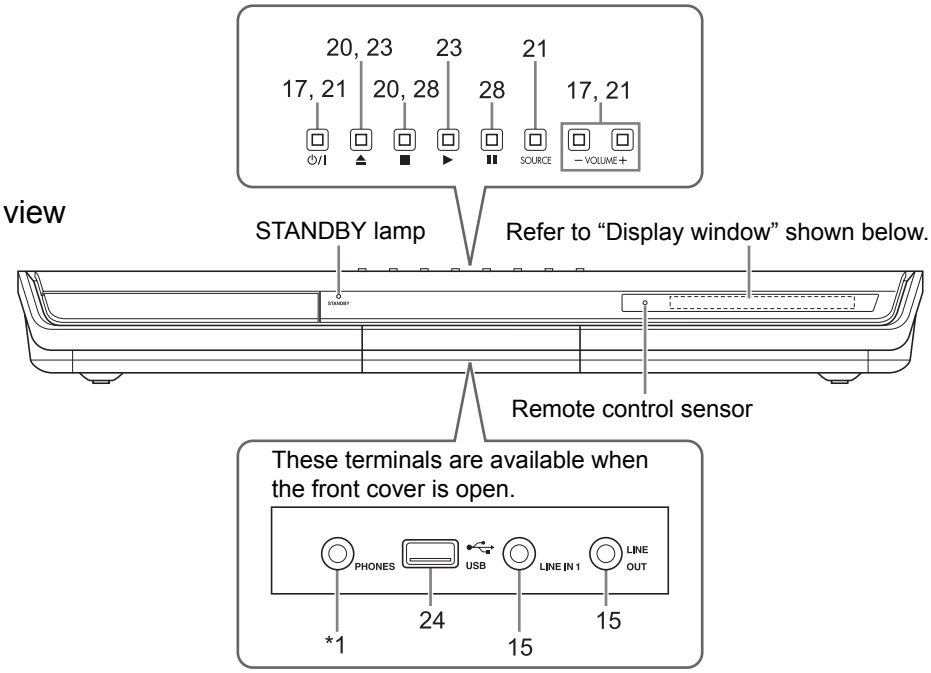
- This manual explains operations assuming that you will use the remote control. Some buttons on the main unit are the same as those on the remote control. You can use either button in this case.
- This manual explains operations mainly with diagrams of the remote control supplied with DD-8/DD-3. If you are operating DD-1, please keep in mind the differences between your remote control shown on page 4.
- Some diagrams in this manual are simplified or exaggerated for the purpose of explanation.
- You can operate some functions differently from the explanation given in this manual.
- Depending on the disc/file, you may not obtain the explained result even after following the operation in this manual.
- The following marks refer to the usable discs/files for the explained function.

DVD VIDEO | VCD SVCD | CD | MP3 WMA | WAV | JPEG | ASF | DivX | MPEG1 MPEG2

Part description

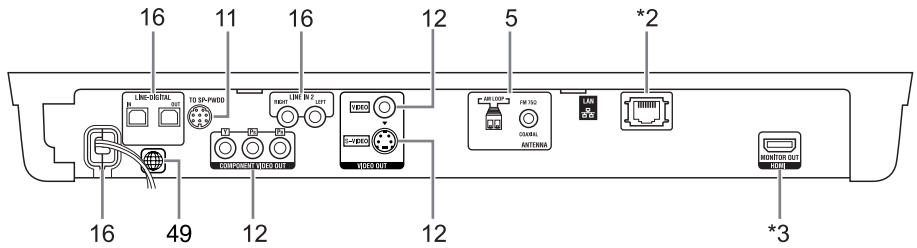
The numbers refer to the pages in which the parts are explained.

Front view



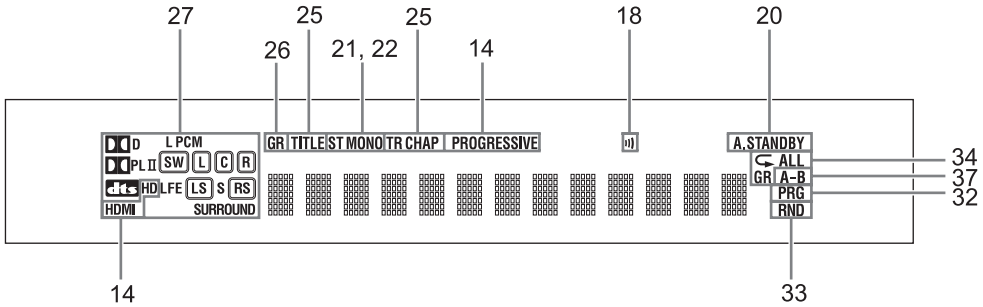
*1 The [PHONES] terminal is for connecting a pair of headphones equipped with a stereo plug (not supplied). When the headphones are connected, the speakers do not produce any sound. (“HEADPHONE” appears in the display window.)
During playback, when you connect or disconnect headphones, sound from the [LINE OUT] and [LINE-DIGITAL OUT] terminals may be intermittent. While recording sound to another device, do not connect or disconnect headphones.

Rear view



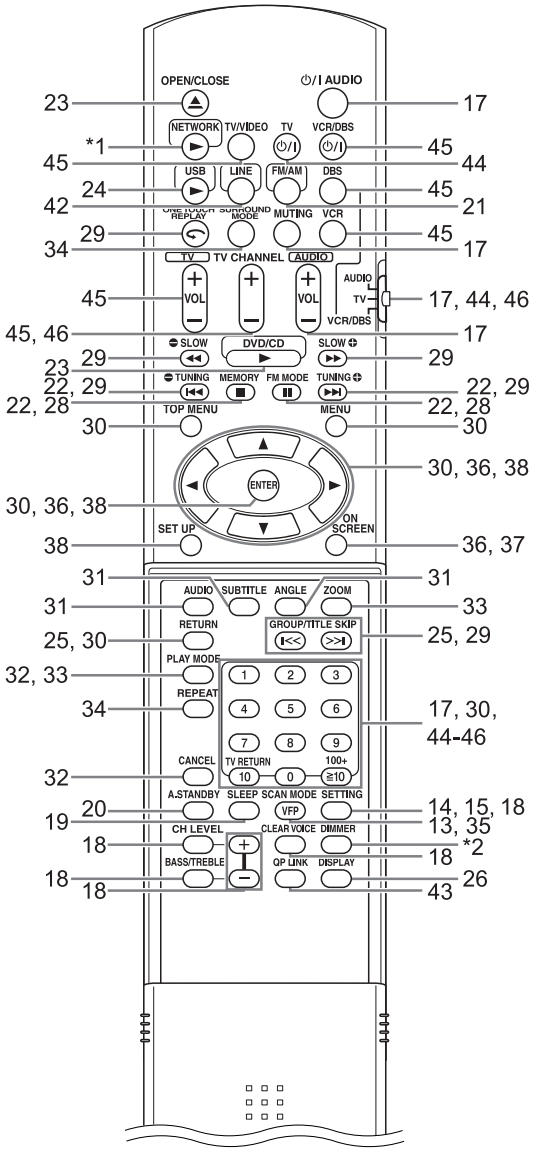
*2 For DD-8/DD-3 users: Refer to the separate volume of the operation manual for the network function.
For DD-1 users: The [LAN] terminal is not available.
*3 For DD-8/DD-3 users: Refer to page 12.
For DD-1 users: The [HDMI] terminal is not available.

Display window



Using the remote control

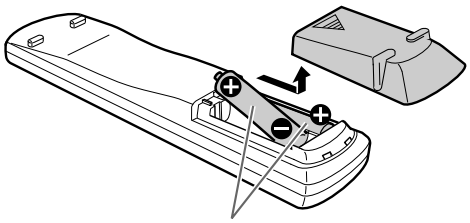
The numbers refer to the pages in which the parts are explained.



There are some differences between DD-8/DD-3 and DD-1 in the locations of the remote control buttons as shown below.

	DD-8/DD-3	DD-1
*1	Refer to the separate volume of the operation manual for the network function.	Refer to page 19.
*2	Refer to page 19.	No button

Inserting the batteries into the remote control



R6P (SUM-3)/AA (15F) type dry-cell batteries (supplied)

- If the effective range of the remote control decreases, replace both batteries.

■ CAUTION

- Do not expose batteries to heat or flame.

Operating the system from the remote control

Point the remote control directly at the front of the main unit.

- Do not block the remote control sensor on the main unit.
- Use the remote control at a position higher than the main unit.

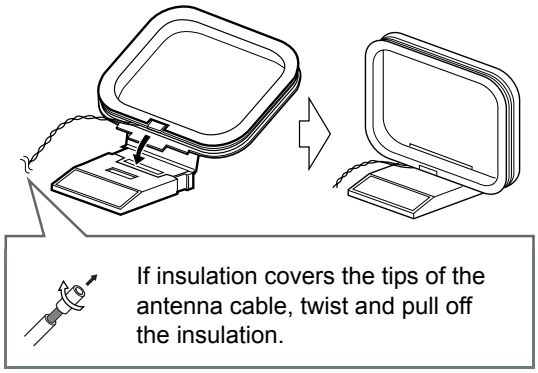
Preparation

Do not turn on the power until you complete the connection.

Connecting the antennas

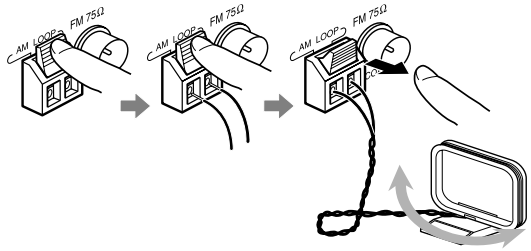
AM loop antenna (supplied)

Setting up the AM loop antenna



Connecting the AM loop antenna

Main unit (rear view)



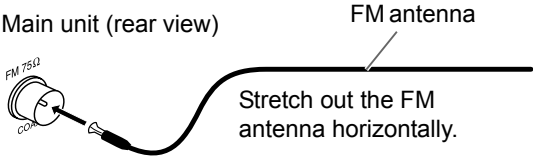
Turn the AM loop antenna to find the best position for radio reception.

NOTE

- Make sure that the antenna conductors do not touch any other terminals. This could cause poor reception.

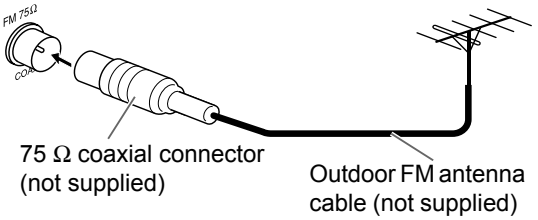
FM antenna (supplied)

Main unit (rear view)



If reception is poor

Main unit (rear view)



NOTE

- A coaxial cable is recommended as it reduces interference for FM reception.

Connecting the speakers

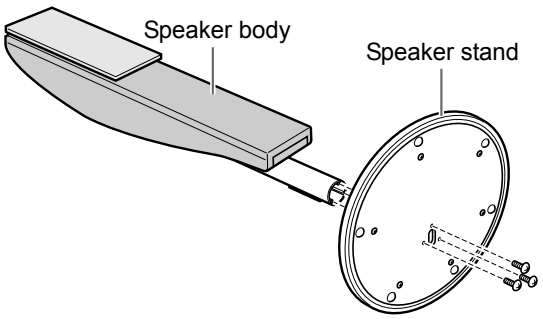
Assembling the speaker stands (DD-8)

The speakers for DD-8 must be assembled to the speaker stands before the speakers can be connected to the subwoofer. Follow the diagrams below.

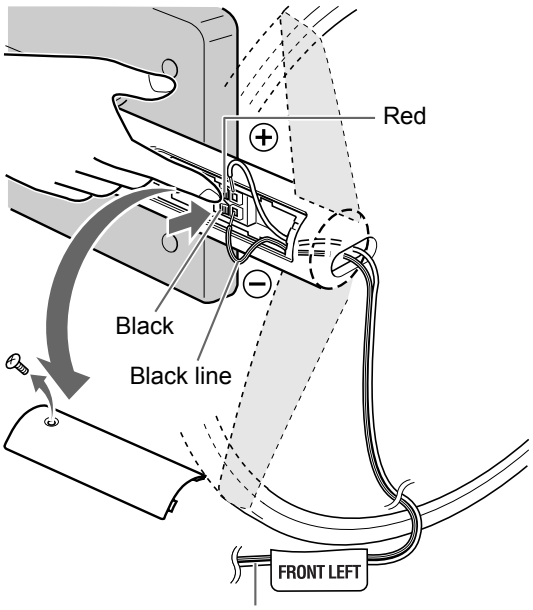
Left and right speakers

■ **CAUTION**

- The left and right speakers for DD-8 are considerably heavy. Care must be taken in carrying and handling them. Injury to personnel or damage to devices may result if the left/right speaker falls.



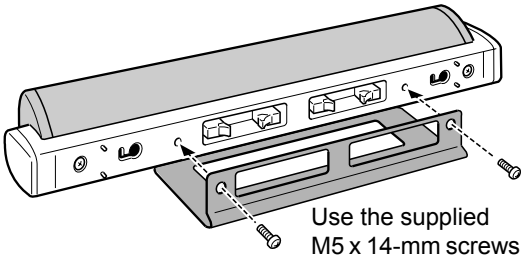
Mount the speaker body perpendicular to the speaker stand. Use the supplied M4 x 25-mm screws (3) to fasten each speaker to its speaker stand.



Left/right speaker cable (supplied)

Remove the screw and the terminal cover. After connecting the speaker cables, reattach the terminal cover to the speaker body and tighten the screw.

Center surround speaker

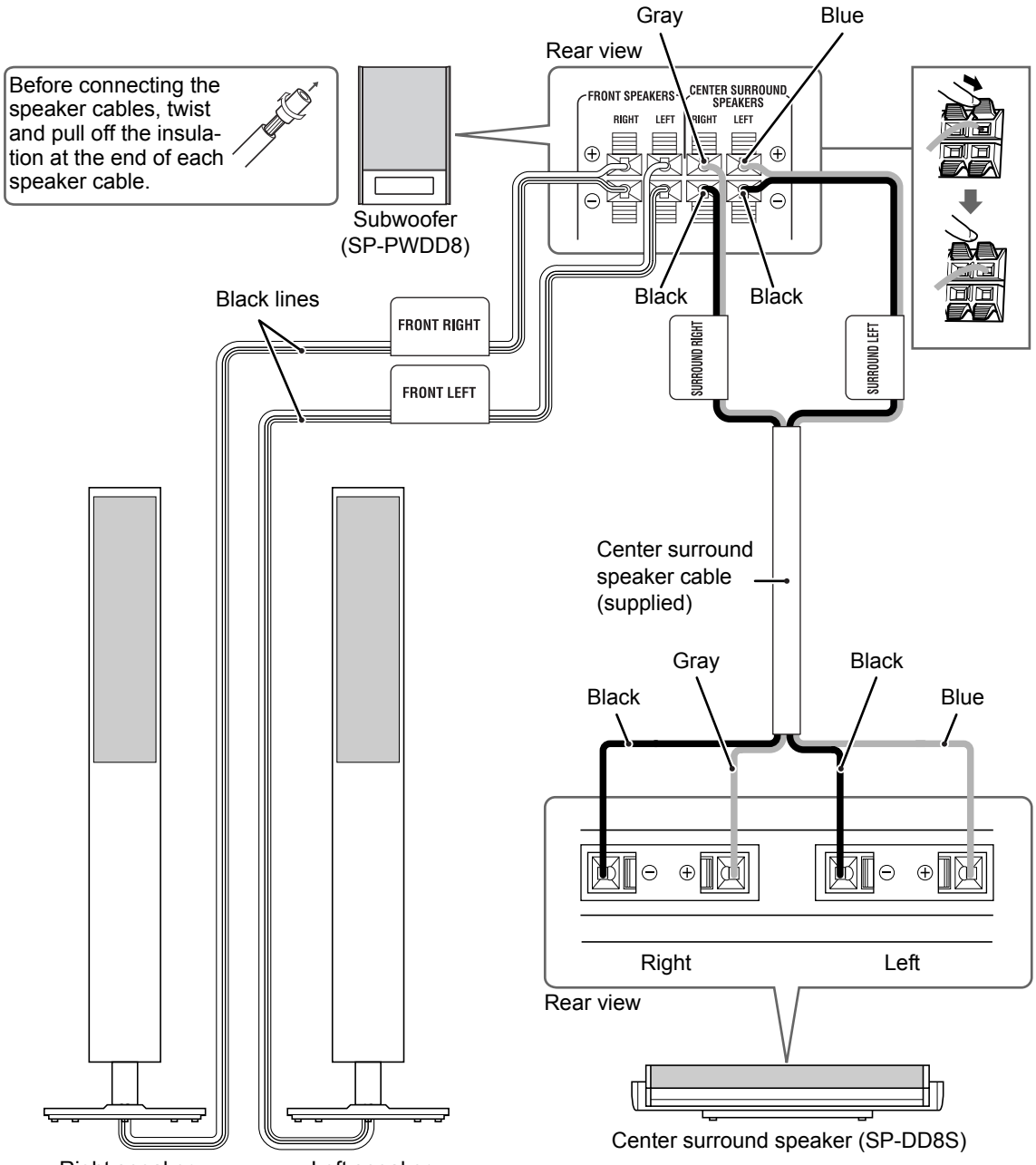


Use the supplied M5 x 14-mm screws (2) to fasten the speaker stand.

■ **CAUTION**

- The center surround speaker for DD-8 can be installed on a wall.
- Be sure to have the speaker installed on the wall by qualified personnel.
- DO NOT install the speaker on the wall by yourself to avoid unexpected damage from it falling off the wall due to incorrect installation or weakness in wall structure.
- Care must be taken in selecting a location for speaker installation on a wall. Injury to personnel or damage to devices may result if the installed speaker interferes with daily activities.

Connecting the speakers to the subwoofer (DD-8)



The speakers are shown assembled to the speaker stands on page 6.
The left and right speakers are the same.

The speaker is shown assembled to the speaker stand on page 6.

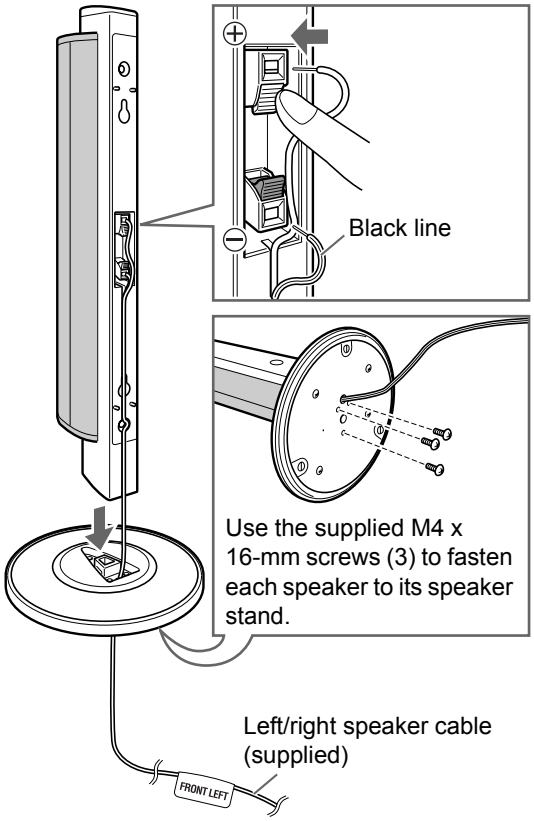
NOTE

- When connecting the speaker cable to the terminal on the center surround speaker, make sure that the end of speaker cable does not touch any other nearby metallic parts.

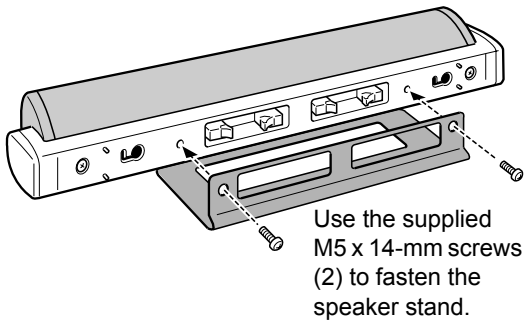
Assembling the speaker stands (DD-3)

The speakers for DD-3 must be assembled to the speaker stands before the speakers can be connected to the subwoofer. Follow the diagrams below.

Left and right speakers


Black line
Use the supplied M4 x 16-mm screws (3) to fasten each speaker to its speaker stand.
Left/right speaker cable (supplied)
FRONT LEFT

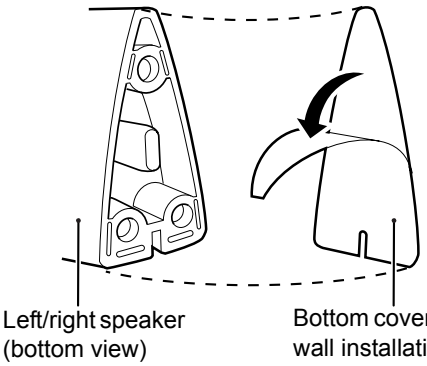
Center surround speaker



■ CAUTION

- The left and right speakers and center surround speaker for DD-3 can be installed on a wall.
- Be sure to have the speakers installed on the wall by qualified personnel. Bottom covers (2) are supplied with DD-3 for installing the left and right speakers on the wall.

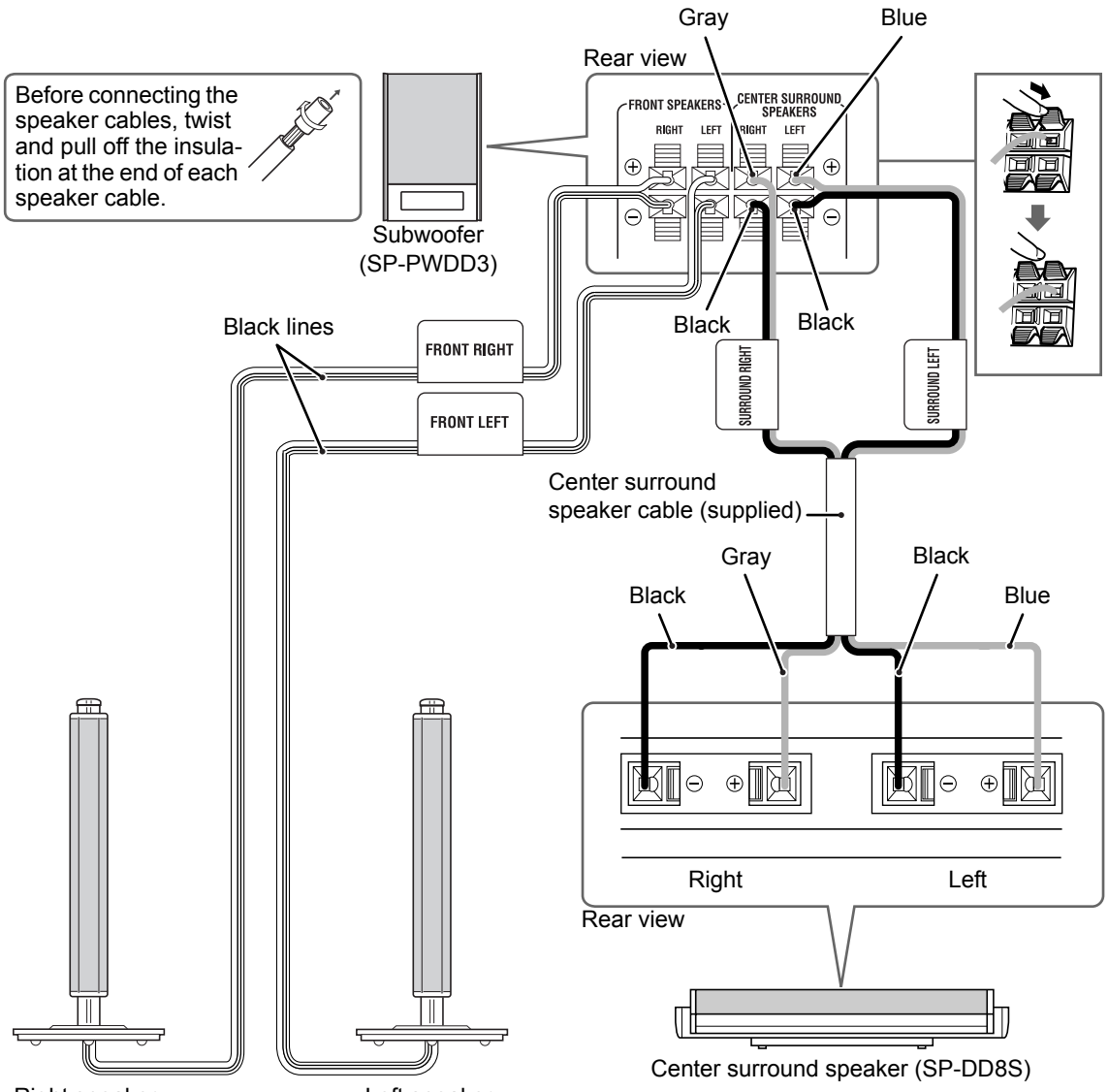
Affixing the bottom covers to the left and right speakers



Peel off the sheet from the bottom cover, and then affix the bottom cover to the left/right speaker.

- DO NOT install the speakers on the wall by yourself to avoid unexpected damage from them falling off the wall due to incorrect installation or weakness in wall structure.
- Care must be taken in selecting a location for speaker installation on a wall. Injury to personnel or damage to devices may result if the installed speakers interfere with daily activities.

Connecting the speakers to the subwoofer (DD-3)



The speakers are shown assembled to the speaker stands on page 8.

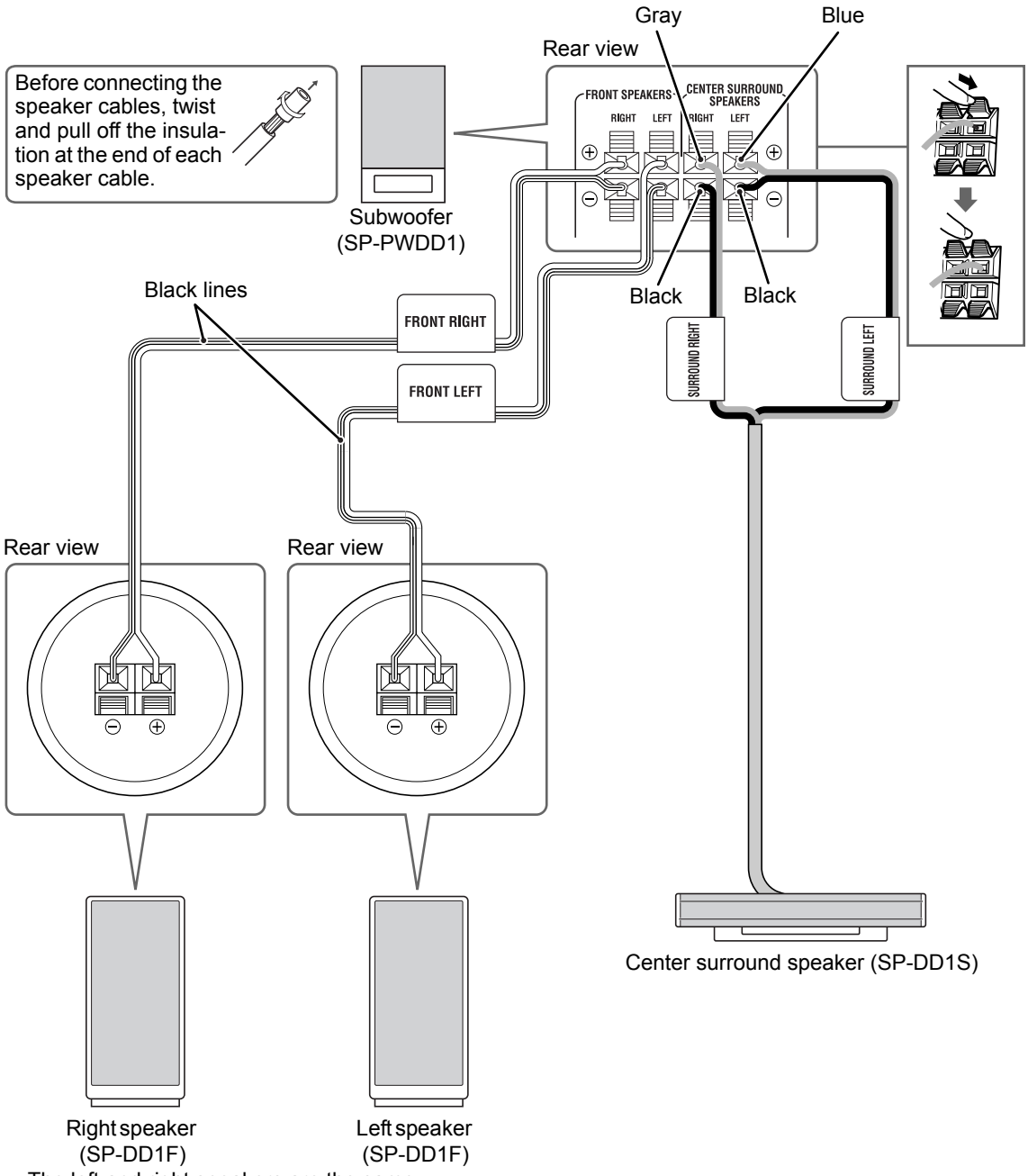
The left and right speakers are the same.

The speaker is shown assembled to the speaker stand on page 8.

NOTE

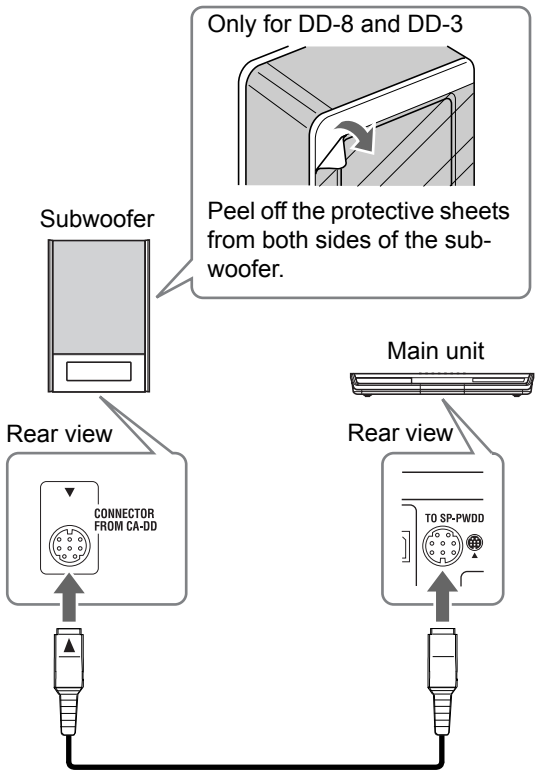
- When connecting the speaker cable to the terminal on the center surround speaker, make sure that the end of speaker cable does not touch any other nearby metallic parts.

Connecting the speakers to the subwoofer (DD-1)



The left and right speakers are the same.

Connecting the subwoofer to the main unit



Align the ▲ marks on the terminals and the system cable.

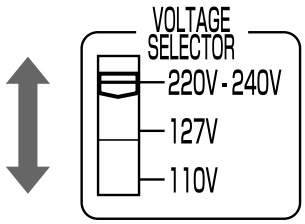
■Selecting the voltage for your area (Only for countries/areas other than Australia or Hong Kong)

Before connecting the power cable of the subwoofer to an AC outlet, you must set the correct voltage for your area.

Slide the voltage selector on the subwoofer to the correct voltage for your area.

- Confirm that the position of the voltage selector is compatible with the voltage in your area.

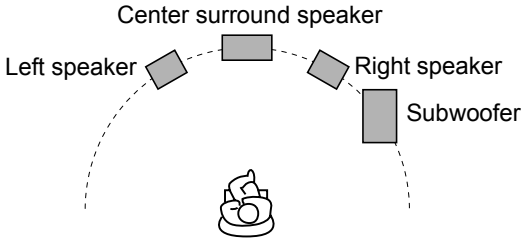
Subwoofer (rear view)



■ CAUTION

- Do not connect the power cable of the subwoofer to an AC outlet before setting the voltage selector on the subwoofer and completing all connections.

Speaker layout



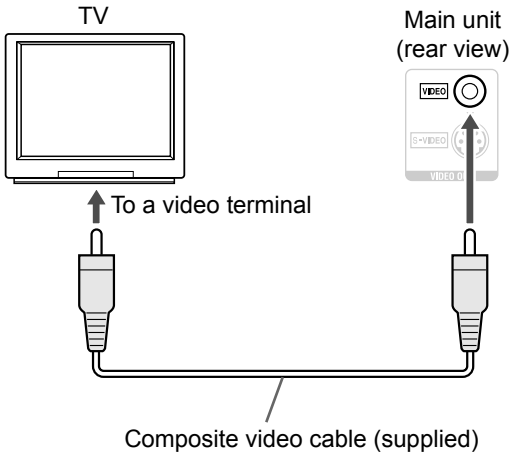
■ CAUTION

- An incorrect connection may damage the speakers. Properly connect the cables to the speaker terminals.
- Do not short-circuit the ⊕ and ⊖ speaker terminals. Doing so may damage the main unit.
- The supplied speakers are manufactured exclusively for use with the supplied main unit as parts of the DD-8/DD-3/DD-1 system. Do not connect the supplied speakers to devices other than the supplied main unit. Doing so may damage the speakers.
- Do not connect other speakers together with the supplied speakers. The change in impedance may damage the main unit and the speakers.
- Improper speaker cable connection spoils the stereo effect and sound quality.
- Most of the supplied speakers* are magnetically shielded, but color irregularity may occur on the TV depending on some conditions. To prevent color irregularity, set up the speakers following the instructions below.
  1. Turn off the main power of the TV before setting up the speakers.
  2. Place the speakers enough distance from the TV so that they do not cause color irregularity on the TV.
  3. Wait for approximately 30 minutes before turning on the main power of the TV again.

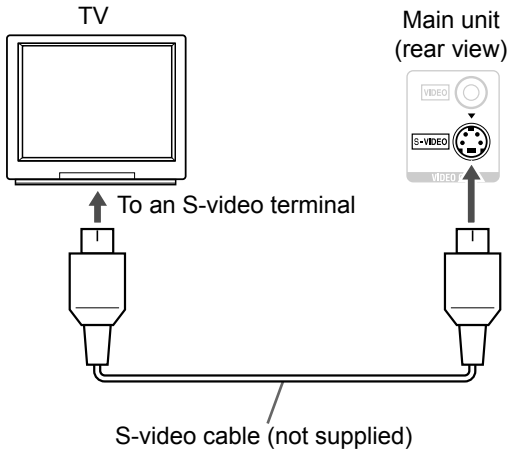
  * The subwoofers for DD-3 and DD-1 are not magnetically shielded. With the exception of these 2 subwoofers, the supplied speakers are magnetically shielded.

Connecting a TV

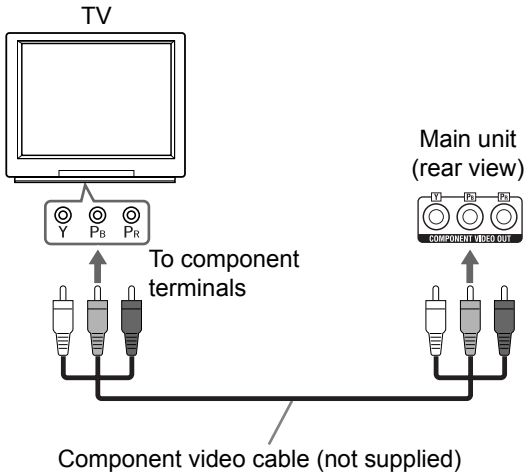
Connecting a TV with the [VIDEO] terminal



Connecting a TV with the [S-VIDEO] terminal

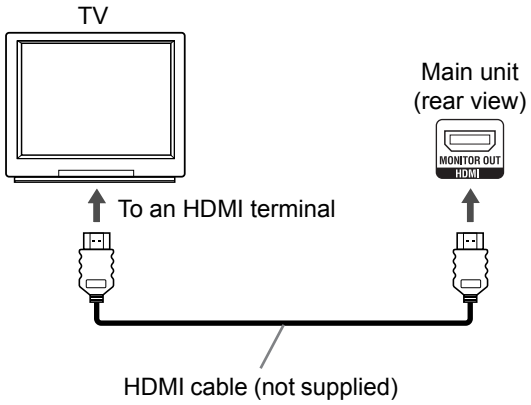


Connecting a TV with the [COMPONENT VIDEO OUT] terminals



Connecting a TV with the [HDMI] terminal (not available for DD-1)

DD-8 and DD-3 can output uncompressed digital video signals to a TV compatible with HDMI (High Definition Multimedia Interface).



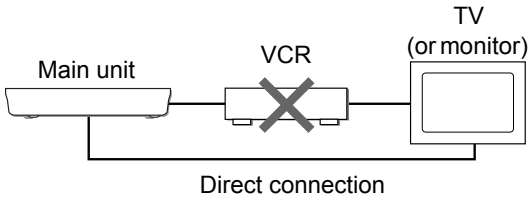
Select “HDMI” for the monitor out type. (Refer to page 14.)

NOTE

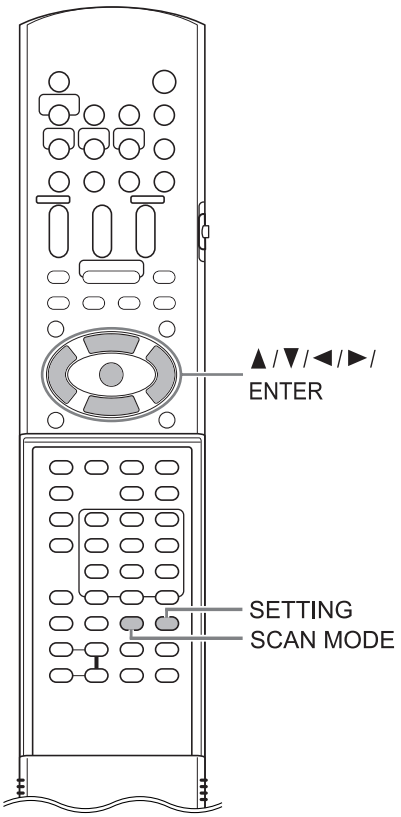
- DD-8 and DD-3 support up to HDMI version 1.0. The HDMI video signal type can be checked with the "HDMI" indicator in the display window. (Refer to "Selecting the video signal type" shown on the right.)
- If the picture is distorted while an HDMI TV is connected, turn off the main unit and turn it on again.
- A TV compatible with HDCP (High-Bandwidth Digital Content Protection) can also be connected to the [HDMI] terminal, so that the uncompressed HD video signal type can be output as well.

■ CAUTION

- Do not connect an S-video cable and a component video cable at the same time. Otherwise the picture may not be played back properly.
- Connect the main unit directly to a TV (or a monitor) without routing through a video cassette recorder (VCR). Otherwise picture distortion may occur during playback. (Routing the connection through a VCR, however, does not affect the audio quality.)



- Connecting the main unit to a VCR-built-in-TV may also cause picture distortion during playback.



Selecting the video signal type

To view an image on the TV screen, select the video signal type correctly according to the TV after connecting the main unit to the TV.

1 Turn on the main unit. (Refer to "Connecting the power cable" on page 16 and "Turning on the main unit" on page 17.)

2 Hold down [SCAN MODE] for 2 or more seconds.

- The current video signal type flashes.

Example:

3 Press ◄ or ► to select the video signal type suitable for the TV.

- When the TV is connected to the [VIDEO] terminal or the [S-VIDEO] terminal, the video signal type can be selected as instructed below.
  - Select “PAL 576I” for a TV only compatible with PAL interlaced video signal.
  - Select “PAL 576P” for a TV equipped with a component terminal and compatible with PAL progressive video signal.
  - Select “NTSC 480I” for a TV only compatible with NTSC interlaced video siginal.
  - Select “NTSC 480P” for a TV equipped with a component terminal and compatible with NTSC progressive video signal.
- When the TV is connected to the [HDMI] terminal, the video signal type can be selected as instructed below. (Only for DD-8 and DD-3)
  - Select “AUTO” for normal usage (the initial setting).*
  - Select “PAL 576P”, “PAL 720P”, “NTSC 480P” or “NTSC 720P” as needed.

NOTE

* The “AUTO” setting works only for a TV compatible with PAL video signal. Select “NTSC 480P” or “NTSC 720P” for a TV equipped with an HDMI terminal and compatible with NTSC video signal.

- “480”, “576” and “720” refer to the number of the scanning lines. Generally, the larger the number, the better picture that can be obtained.
- “I” refers to the interlaced format. “P” refers to the progressive format. A better picture can be obtained in the progressive format than in the interlaced format.
- When an HDMI video signal is output, the “HDMI” indicator lights up in the display window.
- When an HD video signal (720p) is output, the “HD” indicator lights up.
- When “PAL 576P”, “PAL 720P”, “NTSC 480P” or “NTSC 720P” is selected, the “PROGRESSIVE” indicator lights up in the display window.

4 Press [ENTER].

- The selected video signal type is displayed in the display window for a short time.

NOTE

- The picture may be distorted when you press [ENTER], but this is not a malfunction of the system.
- To check the compatibility of your TV, contact your local JVC customer service center.
- All JVC-manufactured progressive TVs and high-definition TVs are fully compatible with this system.
- Even if the main unit is turned off, the video signal type setting is stored.

Selecting the monitor out type

To view an image on the TV, select the monitor out type as well as the video signal type.

1 Press [SETTING].

2 Press ▲ or ▼ to display “M.OUT”.

```
M. OUT : NO  HDMI
```

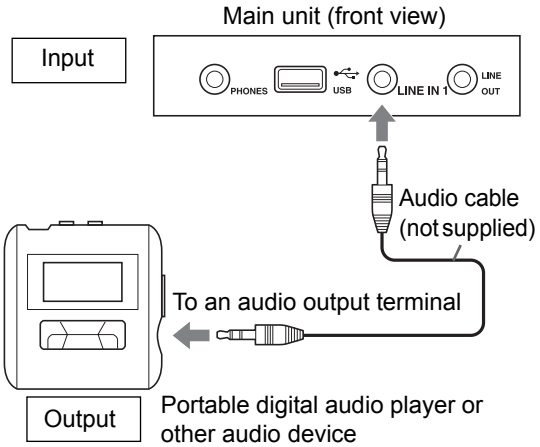
3 Press ◄ or ► to select “HDMI” or “NO HDMI”.

- When using an HDMI cable to connect a TV to the main unit, select “HDMI”.
- When an HDMI cable is not connected, select “NO HDMI” (the initial setting).

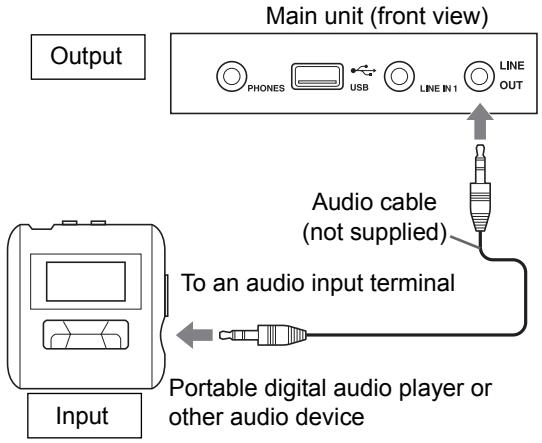
4 Press [ENTER] or wait for a short time.

Connecting a portable digital audio player

Listening to analog sound from a portable digital audio player



Outputting analog sound to a portable digital audio player

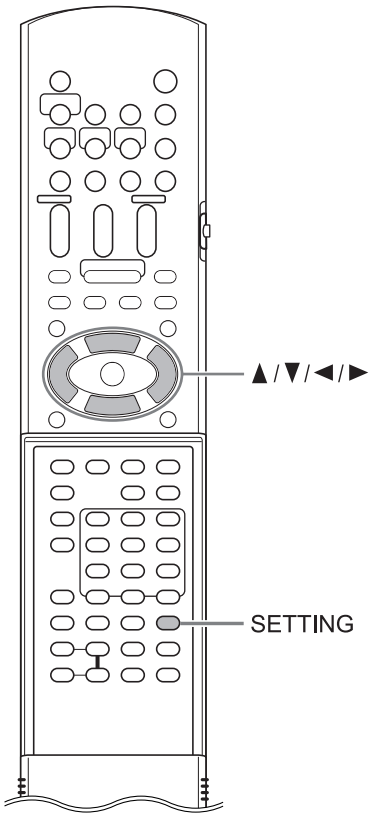


NOTE

- Signals input from the [LINE IN 1] and [LINE IN 2] terminals are not output to the [LINE OUT] terminal.

■Selecting the analog output level of the [LINE OUT] terminal

You can lower the analog output level to prevent the system from producing unnecessarily loud sound. Controlling the level may also be helpful for recording sound from the system to other devices.



1 Press [SETTING].

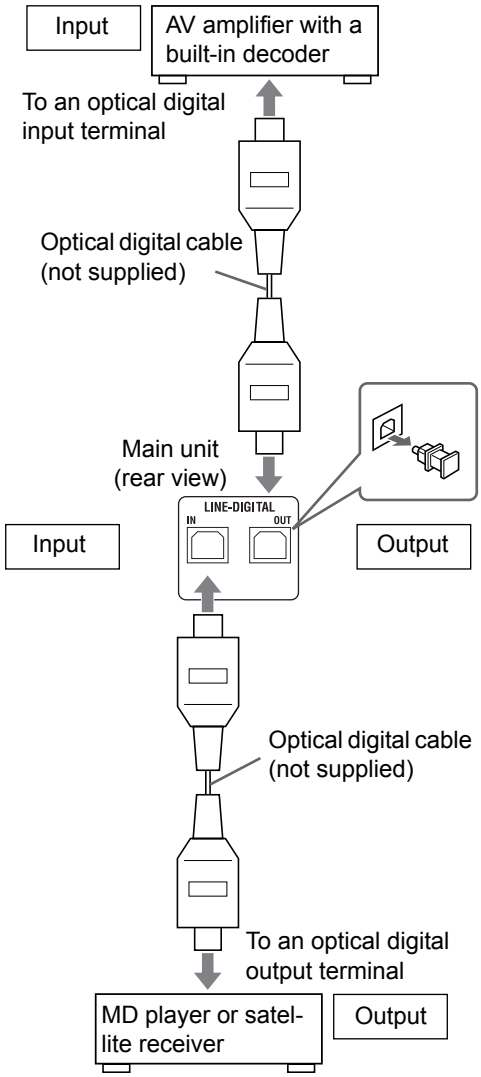
2 Press ▲ or ▼ to select “LINEOUT” in the display window.

```
LINEOUT: L1
```

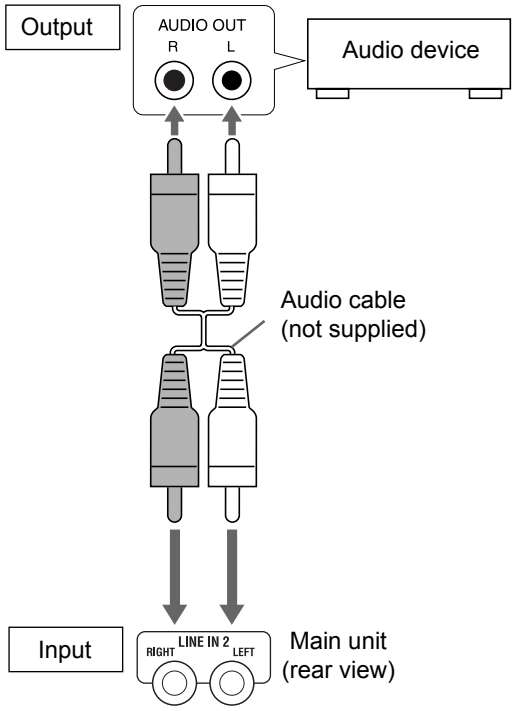
3 Press ◄ or ► to select “L1” or “L2”.

- “L1” for normal usage (the initial setting)
- “L2” for higher level

Connecting other digital audio devices

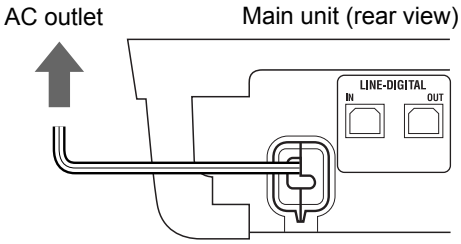


Connecting other analog audio devices

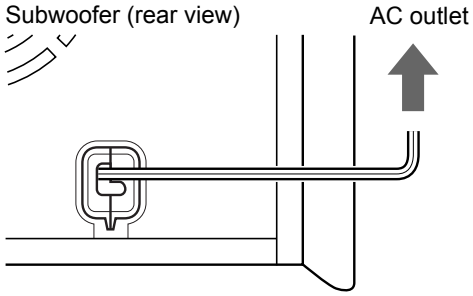


Connecting the power cable

■Main unit



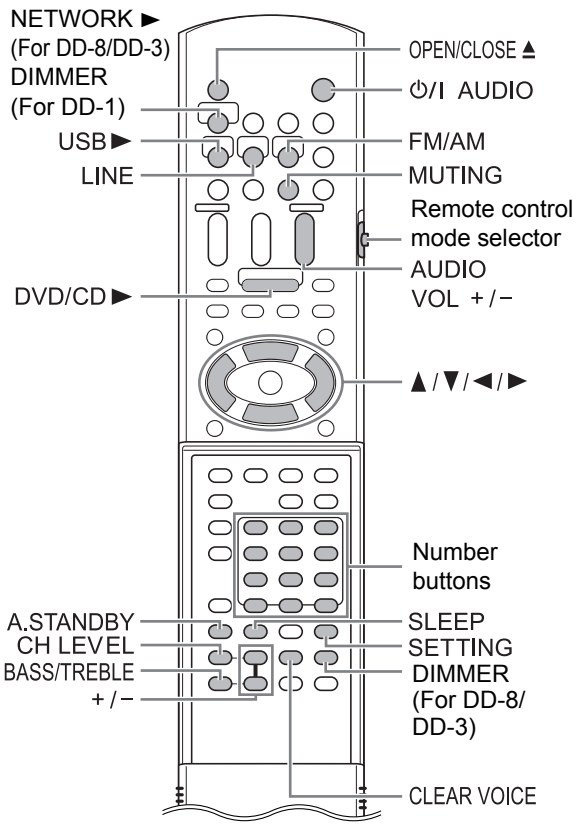
■Subwoofer



■ CAUTION

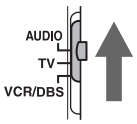
- Do not connect the power cable of the subwoofer to an AC outlet before setting the voltage selector on the subwoofer and completing all connections. Refer to page 11. (Only for countries/areas other than Australia or Hong Kong)

Basic operations



■ **CAUTION**

- Slide the remote control mode selector to [AUDIO].



Using the number buttons

Examples:

5: [5]

15: [≧10] → [1] → [5]

150: [≧10] → [≧10] → [1] → [5] → [0]

Turning on the main unit

Press [⏻/I AUDIO].

- Press [⏻/I AUDIO] again to turn off the main unit.
- With the power off, pressing any of the following buttons also turns on the main unit.
  - [DVD/CD ►], [USB ►], [NETWORK ►] (only for DD-8/DD-3), [LINE], [FM/AM] or [OPEN/CLOSE ▲] on the remote control
  - ►, ▲ or [SOURCE] on the main unit

  The function assigned to the button starts working at the same time.

Adjusting the volume

Press [AUDIO VOL +/–].

- Adjustable volume range is from 0 to 40.
- You can also adjust the volume by pressing [VOLUME+/–] on the main unit.

NOTE

- Refer to page 18 for adjusting the volume of the center surround speaker/subwoofer.
- Refer to page 18 for adjusting the volume balance between the left and right speakers.

Turning off the sound temporarily

Press [MUTING].

- Press [MUTING] again to restore the sound. When the main unit is turned off once and turned on again, the sound also is restored.

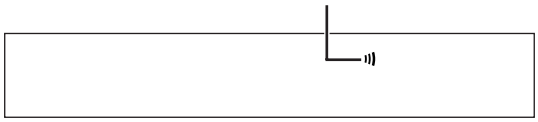
Sharpening the voice sound

This function allows you to easily understand dialog recorded on the disc/file even with the volume down low.

Press [CLEAR VOICE].

- Each time you press [CLEAR VOICE], the clear voice function turns on and off.

This indicator lights up when the clear voice function is activated.



NOTE

- This function is effective when receiving the center channel signal with surround sound, or when the surround mode is activated even with stereo sound (refer to page 34).

Adjusting the bass/treble sound

1 Press [BASS/TREBLE] repeatedly to select “BASS” or “TREBLE” in the display window.

2 Press [+] or [–] to adjust the sound quality.

- Adjustable sound quality is from –5 to +5.

Adjusting the volume of the center surround speaker/ subwoofer

1 Press [CH LEVEL] to repeatedly select “SURR” (the center surround speaker) or “SUBWFR” (the subwoofer) in the display window.

2 Press [+] or [–] to adjust the volume.

NOTE

- Adjustable volume range is from –6 to +6.

Adjusting the volume balance between the left and right speakers

1 Press [SETTING].

2 Press ▲ or ▼ to display “BAL: ” in the display window.

3 Press ◄ or ► to adjust the volume balance.

- “CENTER” (the initial setting) is displayed when the volume of the left and right speakers are the same.
- You can adjust the volume range respectively for the left and right speakers. Adjustable volume range is from –21 to –1.

Changing the brightness of the display window

Press [DIMMER].

- Each time you press [DIMMER], the display changes in the display window as follows.
  - "DIMMER 1"
    The display window becomes darker than the normal display brightness.
  - "DIMMER 2"
    The display window becomes darker than "DIMMER 1".
  - "DIMMER AUTO"
    When a video disc/file is played back, the display window becomes darker automatically.
  - "DIMMER OFF"
    The normal display brightness is restored.

Using the sleep timer

When the time you specify elapses, the main unit automatically turns off.

Press [SLEEP].

- Each time you press [SLEEP], the time indicated in the display window changes. You can set the time to 10, 20, 30, 60, 90, 120 or 150 minutes.

Example : Display when the sleep timer is set to 60 minutes

NOTE

- When the sleep timer is activated, the display window becomes darker automatically.

Changing the remaining time

Press [SLEEP] repeatedly to select the time again.

Confirming the remaining time

Press [SLEEP] once.

Canceling the sleep timer

Press [SLEEP] repeatedly until "SLEEP" disappears.

NOTE

- Turning off the main unit cancels the sleep timer.

Auto standby function

If no sound is produced for 3 minutes, the main unit automatically turns off.
This function is available when a disc/file is selected as the source.
You cannot use this function when a radio broadcast or a device connected to the [LINE IN 1], [LINE IN 2] or [LINE-DIGITAL IN] terminals is selected as the source.

Activating the auto standby function

■When a disc/file is selected as the source

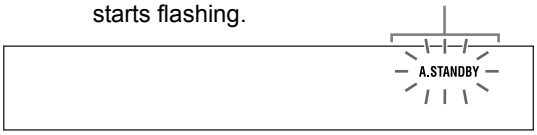
Press [A.STANDBY].

- Pressing [A.STANDBY] once again deactivates the function. (The display window changes to "A.STANDBY OFF".)

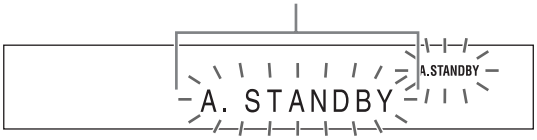
Performance of the auto standby function

When playback of a disc/file finishes, the auto standby function starts a countdown.

At this time, the "A.STANDBY" indicator starts flashing.



20 seconds before the main unit turns off, "A.STANDBY" starts flashing.



When no operation is carried out for 3 minutes, the main unit automatically turns off.

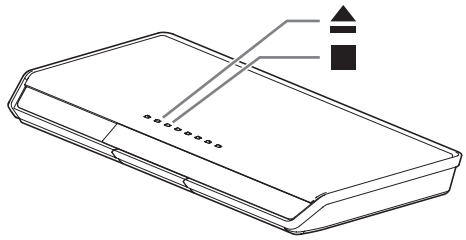
NOTE

- Leaving the volume at "0" is not the same as producing no sound, and therefore does not start the auto standby function.

Locking disc ejection

You can lock the disc tray to prevent the disc from being ejected.

Setting the disc ejection lock

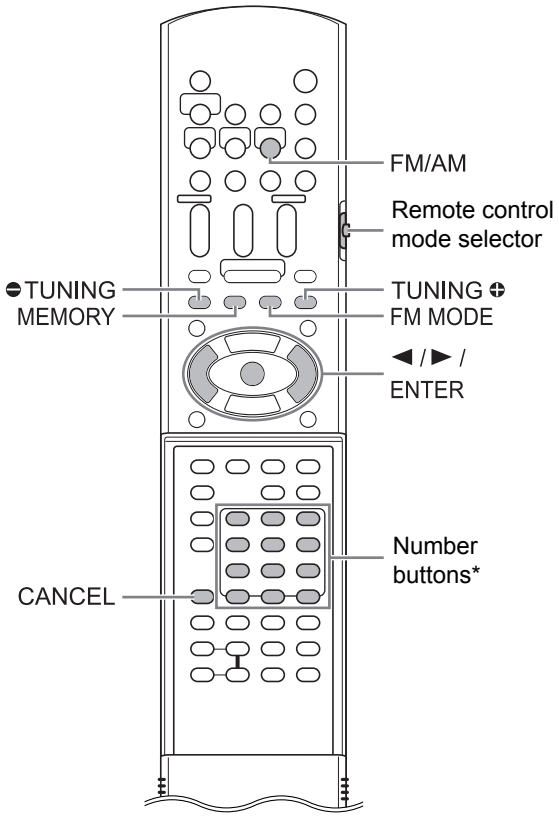


■When the main unit is turned off

Press ⏏ while holding down ■ on the main unit.

- Repeat this step to cancel the disc ejection lock. (The display window changes to "UNLOCKED".)

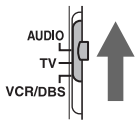
Listening to radio broadcasts



* For the number button usage, refer to “Using the number buttons” on page 17.

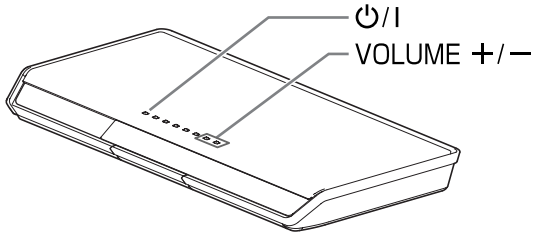
■ **CAUTION**

- Slide the remote control mode selector to [AUDIO].



Setting the AM tuner spacing

AM stations are spaced 9 kHz apart in some countries and 10 kHz in other countries.



■When the main unit is turned off

To select 9 kHz spacing, while holding down [VOLUME –] on the main unit, press ⏻/I on the main unit to turn on the power. “AM 9 kHz STEP” appears in the display window.
To select 10 kHz spacing, while holding down [VOLUME +] on the main unit, press ⏻/I on the main unit to turn on the power. “AM 10 kHz STEP” appears in the display window.

NOTE

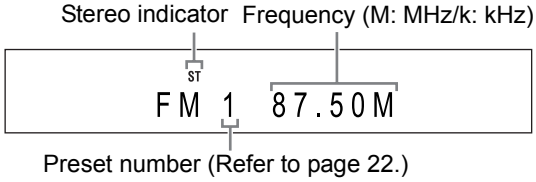
- When the spacing is switched, the preset radio station memory is erased.

Selecting a radio station

1 Press [FM/AM] to select “FM” or “AM” in the display window.

- Each time you press [FM/AM], the band toggles between “FM” and “AM”.
- Repeatedly pressing [SOURCE] on the main unit can also select a radio broadcast as the source.

Example: Display when an FM radio broadcast is received



2 Press [⊖ TUNING] or [TUNING ⊕] repeatedly to select a radio station.

- When the main unit has receive an FM stereo broadcast, the “ST” (stereo) indicator lights up in the display window.
- You can also select a radio station using the automatic tuning.

■Automatic tuning

Hold down [⊖ TUNING] or [TUNING ⊕] until the frequency starts changing, and then release the button.

- When the main unit has received a broadcast, the frequency automatically stops changing.
- You can select a specific radio station while searching for a broadcast. Press [⊖ TUNING] or [TUNING ⊕] to stop the automatic tuning when the desired frequency appears in the display window.

NOTE

- If an FM stereo broadcast is difficult to hear because of noise, you may be able to hear the broadcast more easily by pressing [FM MODE] to switch the sound to monaural reception. In this case, the “MONO” (monaural) indicator lights up in the display window. To return the sound to stereo reception, press [FM MODE] again.

Tuning in to a preset radio station

Presetting radio stations in the main unit allows you to easily tune in to a radio station.

Presetting radio stations

You can store up to 30 FM radio stations and up to 15 AM radio stations.

1 Select a radio station you want to store.

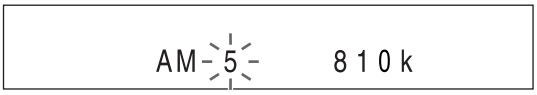
- Refer to “Selecting a radio station” on page 21.

2 Press [MEMORY].

- The preset number flashes in the display window.

3 While the preset number is flashing, press the number buttons to select the preset number.

Example: When storing the radio station “AM 810 kHz” to the preset number “5”



4 While the selected number is flashing, press [MEMORY] or [ENTER].

- “STORED” appears and the selected radio station is stored.

NOTE

- When you store a radio station to a preset number to which another radio station has previously been stored, the newly set radio station replaces the previously stored radio station.
- You can also use ◄ or ► to select the preset number in step 3.

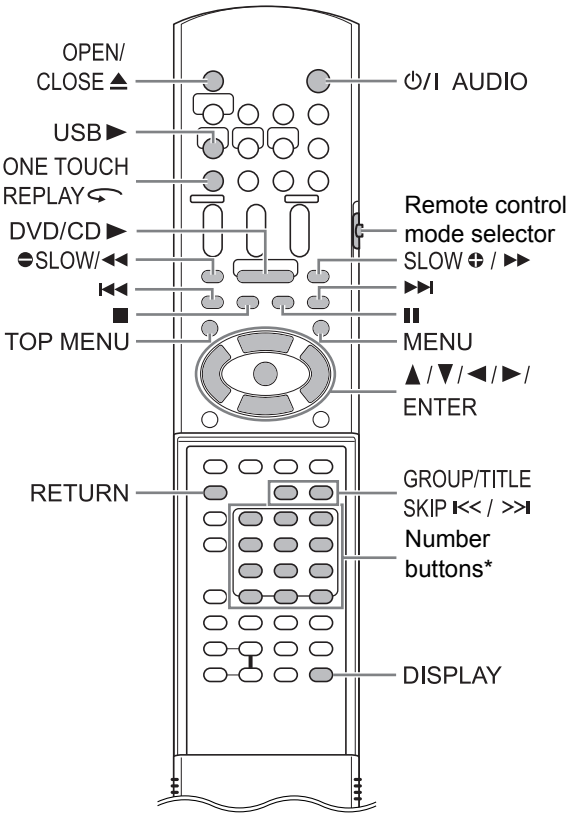
Tuning in to a preset radio station

■When an FM or AM radio broadcast is selected as the source

Press the number buttons to select the preset number.

- You can also select the preset number by pressing ◄ or ►.

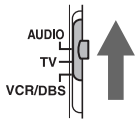
Basic operations of disc/file playback



* For the number button usage, refer to “Using the number buttons” on page 17.

■ CAUTION

- Slide the remote control mode selector to [AUDIO].



Playing back a disc

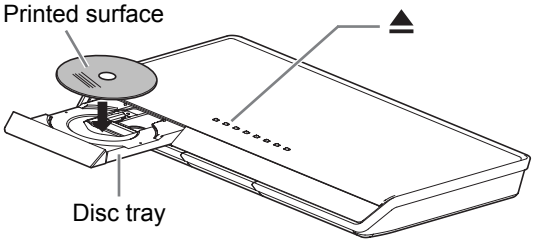
DVD VIDEO VCD SVCD CD

This part explains playing back the types of discs shown above.

1 Press [OPEN/CLOSE ⏏] on the remote control or ⏏ on the main unit.

- The disc tray ejects.

2 Place a disc.



- To play back an 8-cm disc, place it on the inner hollow of the disc tray.

3 Press [DVD/CD ►].

NOTE

- Instead of step 3, you can use the buttons on the main unit. Repeatedly pressing [SOURCE] can select the disc as the source, and pressing ► starts playback.
- A menu screen may appear on the TV screen after DVD playback starts. In such a case, operate the menu screen, referring to “Selecting a track from the menu screen” on page 30.
- If you perform an operation, such as changing the source quickly or loading an incompatible disc (refer to pages 49-51), the disc may not be played back or ejected. In this case, turn off the main unit and turn it on again by using ⏻/I on the main unit.

Playing back a file

MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2

This part explains playing back 1) files recorded on the loaded disc, and 2) files recorded on a USB mass storage class device connected to the main unit. The operation is explained with a display of MP3 files as an example.

NOTE

- When files of different types are recorded on a disc or connected USB mass storage class device, select the file type before playback. (Refer to "FILE TYPE" on page 39.)

1 Prepare the system for file playback by following the operations below.

■When you want to play back files on a disc

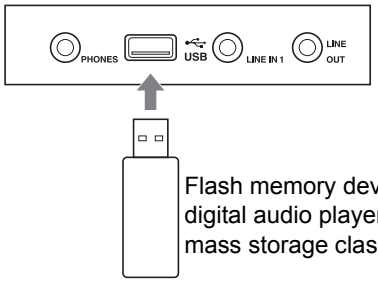
Place a disc on the disc tray.

- Refer to steps 1 and 2 on page 23.

■When you want to play back files on a USB mass storage class device

Connect the USB mass storage class device to the [USB] terminal on the front of the main unit.

Main unit (front view)



Flash memory device, portable digital audio player or other USB mass storage class device

NOTE

- Copyrighted files cannot be played back.
- This system cannot recognize a USB mass storage class device whose rating exceeds 5V/500mA.
- When connecting a USB mass storage class device, refer also to its manual.
- When using a USB cable for connecting a USB mass storage class device, its length should be less than 1 m.
- Connect a USB mass storage class device directly to the main unit without routing through a USB hub. Otherwise a malfunction may occur.
- Before disconnecting the USB mass storage class device, make sure that playback is stopped.
- The main unit does not charge a USB mass storage class device connected to the [USB] terminal.

2 Press [DVD/CD ►] or [USB ►].

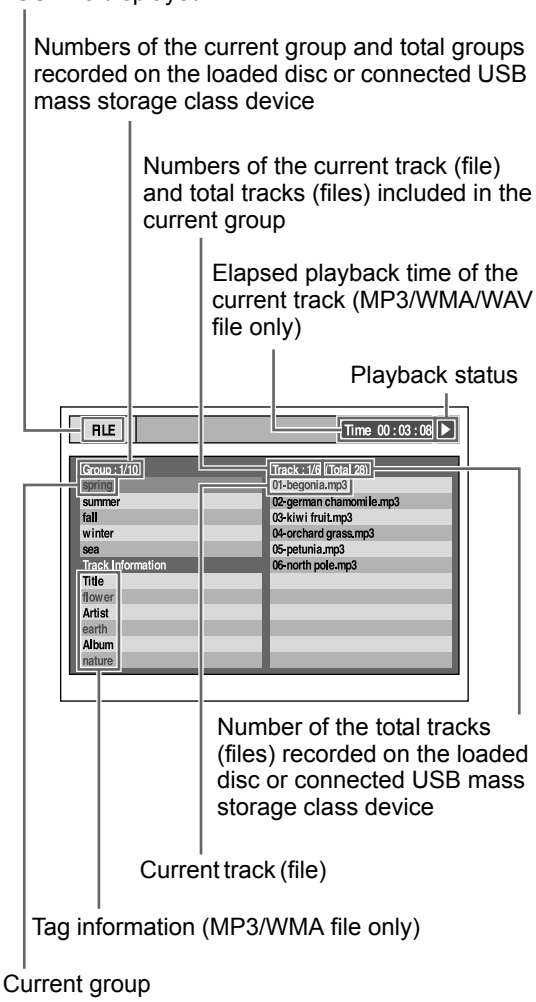
NOTE

- You can also use the buttons on the main unit. Repeatedly pressing [SOURCE] can select the disc/file as the source, and pressing ► starts playback.
- If you select another source while "READING" is displayed in the display window, sound is not produced until reading of the files is finished.

3 Press ■ to stop playback.

- The menu screen appears on the TV screen.

When a file recorded on the connected USB mass storage class device is selected as the source, "USB" is displayed.



(Continued on the next page)

NOTE

- Depending on the file type, the menu screen appears before you press ■.

4 Press ▲, ▼, ◄ or ► to select a group and track.

NOTE

- You can also use [GROUP/TITLE SKIP ⏮/⏭] to select a group, and the number buttons, ⏮ or ⏭ to select a track.

5 Press [DVD/CD ►] or [USB ►].

NOTE

- If you have skipped step 3, you do not have to proceed to step 5.

Slide-show playback

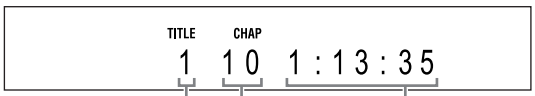
- JPEG files are continuously played back from the selected file.
- Display time for a file in slide-show playback is approximately 3 seconds.
- Press [ENTER] to view only the selected file.

Display window on the main unit for disc/file types

DVD VIDEO | VCD SVCD | CD | MP3 WMA | WAV | JPEG | ASF | DivX | MPEG1 MPEG2

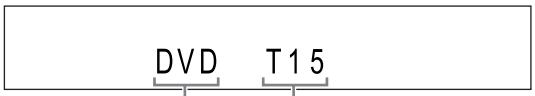
DVD VIDEO

■When a disc is played back



Title number | Chapter number | Elapsed playback time

■When a disc is stopped



Disc type | Total number of titles

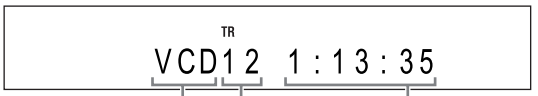
VCD/SVCD

■When a disc is played back

Track number | Playback control

- You can control the playback of a PBC compatible disc using a menu screen.
- To cancel the PBC function, follow the instructions below.
  - Specify the track number using the number buttons when the disc is stopped.
  - Specify the track number using ⏮ or ⏭ when the disc is stopped, and then press [DVD/CD ►].
- Press [RETURN] to go back to the upper layer during PBC playback.

■When a disc is stopped

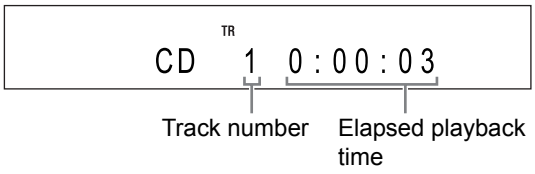


Disc type | Total number of tracks | Total playback time

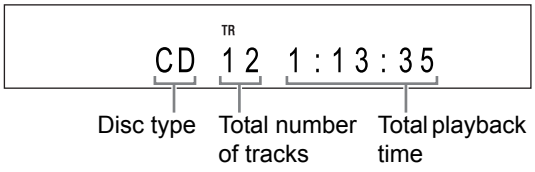
(When the PBC function is activated)

CD

■When a disc is played back

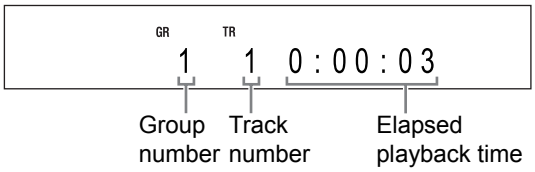


■When a disc is stopped

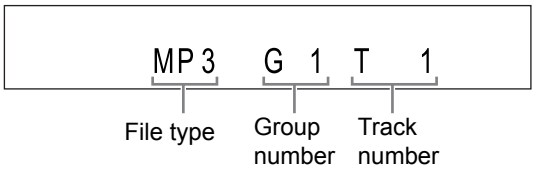


MP3/WMA/WAV/ASF/DivX/MPEG1/MPEG2 file

■When a file is played back



■When a file is stopped



■Changing the display in the display window (Only for MP3/WMA files)

For an MP3/WMA file, you can change the display in the display window to see tag information and a file name.

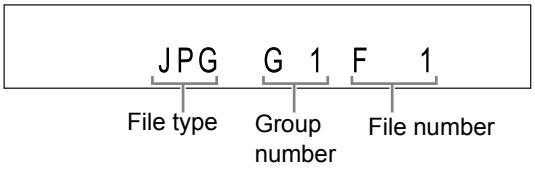
When a disc/file is played back

Press [DISPLAY] repeatedly.

- Each time you press [DISPLAY], the display changes in the display window.

JPEG file

■When a file is played back or stopped



Messages on the TV screen

When a DVD VIDEO is selected as the source, the messages shown below are displayed on the TV screen to indicate the disc status.

NOW READING:
Appears when the main unit is reading the disc information. Wait for a short time.

REGION CODE ERROR!:
Appears when the region code of the disc does not match the code the main unit supports. (Refer to page 49.)

NO DISC:
Appears when no disc is loaded.

OPEN:
Appears when the disc tray is opening.

CLOSE:
Appears when the disc tray is closing.

CANNOT PLAY THIS DISC:
Appears when an unplayable disc is attempted to be played back.

Guide icons on the TV screen (on-screen guide)

: Play

: Pause

: Fast reverse/fast forward search

: Slow motion playback (reverse/forward directions)

: Containing multi-view angles (Refer to page 31.)

: Containing multi-audio languages (Refer to page 31.)

: Containing multi-subtitle languages (Refer to page 31.)

: The disc/file cannot accept the operation you have attempted.

Indicators in the display window related to the speaker sound

The indicators light up in the display window to show the input signals and the speakers in use.

DD D	The input signal is DOLBY DIGITAL.
DD PL II	The input signal is processed using DOLBY DIGITAL PRO LOGIC II.
dts	The input signal is DTS.
L PCM	The input signal is LPCM.
SW	The sound is produced from the sub-woofer.
▢	The " L ", " R ", " LS " or " RS " indicator in the frame (▢) shows the speaker producing the sound.
L	The input signal is for the left speaker.
C	The input signal is for the center surround speaker.
R	The input signal is for the right speaker.
LFE	The input signal is LFE.
LS	The input signal is for the left speaker on the center surround speaker.
S	The input signal is monaural or 2-channel Dolby surround.
RS	The input signal is for the right speaker on the center surround speaker.
SURROUND	The surround mode is activated.

For the locations of the remote control buttons, refer to page 23.

Stopping playback

DVD VIDEO VCD SVCD CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2

■When a disc/file is played back

Press ■.

Resuming playback

DVD VIDEO VCD SVCD CD MP3 WMA ASF DivX MPEG1 MPEG2 (only for the loaded disc)

When playback is stopped in the middle, playback can be started from the stopped position.

Temporarily stopping playback

■When a disc/file is played back

Follow any of the operations below.

Press ■ once.*1
Press [⏻/I AUDIO] to turn off the main unit.*2

*1 “RESUME” is displayed in the display window. After this operation, the position where playback has been stopped is stored even when the main unit is turned off by pressing [⏻/I AUDIO].

*2 This operation does not work for a CD.

Starting playback from the stored position

Press [DVD/CD ►] .

NOTE

- This function does not work in program playback or random playback.
- You can deactivate the resume playback function. (Refer to“RESUME” on page 40.)

Clearing the stored position

Press ■ twice.

NOTE

- The stored position is also cleared if the disc tray is opened.

Pausing playback

DVD VIDEO VCD SVCD CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2

■When a disc/file is played back

Press II.

- Press [DVD/CD ►] or [USB ►] to return to the normal playback.

Advancing the picture frame by frame

DVD VIDEO VCD SVCD DivX MPEG1 MPEG2

■When a disc/file is paused

Press II repeatedly.

Fast reverse/fast forward search

DVD VIDEO VCD SVCD CD MP3 WMA ASF DivX MPEG1 MPEG2

There are 2 methods.

■When a disc/file is played back

- **Press ◄◄ or ►►.**
  - Each time you press ►►, the speed increases. To restore the normal speed, press [DVD/CD ►] or [USB ►].
- **Hold down |◄◄ or ►►|.**

NOTE

- For some discs/files, sound is intermittent or no sound is produced during fast reverse/fast forward search.
- The selectable speeds and displays vary by the disc/file type.

Playing back from a position 10 seconds before

DVD VIDEO

■When a disc is played back

Press [ONE TOUCH REPLAY ↶].

NOTE

- You cannot go back to the previous title.

Slow motion playback

DVD VIDEO VCD SVCD

■When a disc is paused

Press [⊖ SLOW] or [SLOW ⊕].

- Each time you press [⊖ SLOW] or [SLOW ⊕], the speed increases.
- Pressing [DVD/CD ►] cancels this function and starts normal playback.

NOTE

- No sound is produced.
- The picture motion in the reverse direction may not be smooth.
- For a VCD or SVCD, slow motion playback can be used in the forward direction only.

Skipping to the beginning of a chapter/track/file

DVD VIDEO CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2 VCD SVCD – (PBC off)

■When a disc/file is played back

Press |◄◄ or ►►| repeatedly.

- Press [GROUP/TITLE SKIP ⏮ / ⏭] to select the title or group.

For the locations of the remote control buttons, refer to page 23.

Selecting a chapter/track using the number buttons

DVD VIDEO CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2 VCD SVCD—(PBC off)

■When a disc/file is played back

Press the number buttons to select the chapter number or track number.

Skipping at approximately 5 minute intervals

DivX

You can skip within a file at approximately 5 minute intervals. This is useful especially when you want to skip within a long file.

■When a disc/file is played back

Press ◄ or ►.

- Each time you press ◄ or ►, the playback position skips to the beginning of the previous or next interval. Each interval is approximately 5 minutes.

NOTE

- Intervals are automatically assigned from the beginning of a file.
- You can use this function only within the same file.

Selecting a track from the menu screen

DVD VIDEO VCD SVCD

■When a disc is stopped or played back

1 Press [MENU] or [TOP MENU].

- The menu screen is displayed.

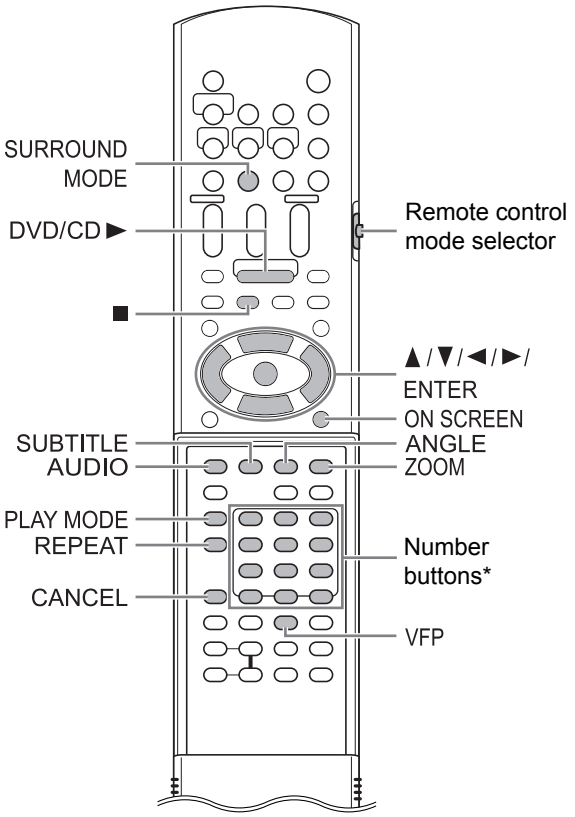
2 Press ▲, ▼, ◄ , ► or the number buttons to select the desired track.

3 Press [ENTER].

NOTE

- You can use this function only when a menu screen is recorded on the disc.
- For a VCD/SVCD, [MENU] and [TOP MENU] may be unavailable in step 1. In this case, press [RETURN] once or more.
- For a VCD/SVCD, you cannot use ▲, ▼, ◄ or ► in step 2.
- For a VCD/SVCD whose menu screen has a couple of pages, you can change the page by pressing ⏮ or ⏭ in step 2.
- Playback may start for some discs without pressing [ENTER] in step 3.

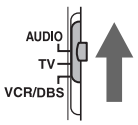
Convenient functions of disc/file playback



* For the number button usage, refer to “Using the number buttons” on page 17.

■ **CAUTION**

- Slide the remote control mode selector to [AUDIO].



Selecting the audio language, subtitle language and view angle

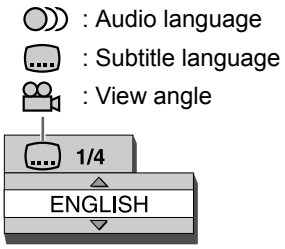
■When a disc/file is played back

Press the desired button shown below.

- Each time you press the button, the audio language, subtitle language or view angle changes.

Function	Button	Available disc/file
Audio language	**[AUDIO]**	DVD VIDEO, VCD SVCD, DivX
Subtitle language	**[SUBTITLE]**	DVD VIDEO, SVCD, DivX
View angle	**[ANGLE]**	DVD VIDEO

TV screen (example for the subtitle language)



NOTE

- The audio language, subtitle language and view angle can also be changed by pressing ▲ or ▼.
- You can only select these function settings when the disc/file contains multiple audio languages, subtitle languages or view angles.
- When a language code such as “AA” and “AB” is displayed, refer to “Language codes” on page 41.
- You can also use the menu bar to set the functions. Refer to page 36.
- “ST”, “L” and “R” displayed when playing back a VCD or SVCD, respectively, indicate “Stereo”, “Left sound” and “Right sound”.

Playing back a disc/file in the desired order (Program playback)

VCD SVCD CD
MP3 WMA WAV
(only for the loaded disc)

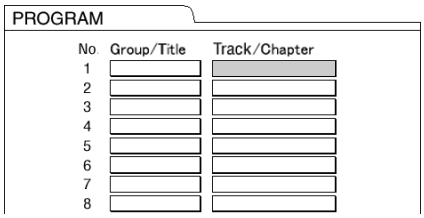
You can program a maximum of 99 tracks. The same track can be programmed more than once.

■When a disc/file is stopped

1 Press [PLAY MODE] repeatedly to display “PROGRAM” in the display window.

Example: Display for a CD

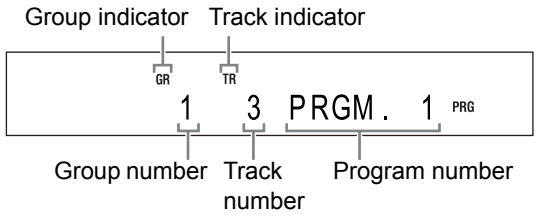
Example: TV screen for a CD (Program screen)



2 Press the number buttons to program tracks.

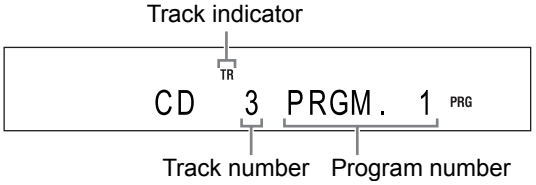
Display for an MP3/WMA/WAV file

- Select a group number, and then a track number.

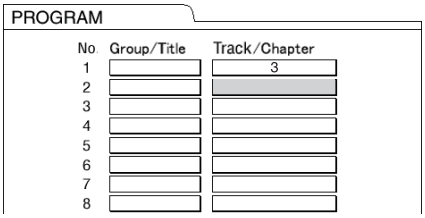


Display for a VCD/SVCD/CD

- Select a track number.



Example: TV screen for a CD (Program screen)



- You can program up to 99 tracks.

NOTE

- Instead of using the number buttons, when you press [ENTER] in the “Track/Chapter” column on the TV screen, “ALL” appears and all the tracks in the selected group are programmed.
- You can erase the programmed tracks one by one from the bottom of the list on the program screen by pressing [CANCEL] repeatedly.
- You can erase the whole program at once by pressing ■.
- Ejecting the disc or turning off the main unit also erases the program.

3 Press [DVD/CD ►].

Confirming the program

■When a disc/file is played back

Press ■.

- Playback stops and the program screen appears on the TV screen.

Canceling program playback

■When a disc/file is stopped

Press [PLAY MODE] repeatedly to display an item other than “PROGRAM” in the display window.

- This operation does not erase the program.

Playing back a disc/file in a random order (Random playback)

DVD VIDEO VCD SVCD CD MP3 WMA WAV

(only for the loaded disc)

■When a disc/file is stopped

1 Press [PLAY MODE] repeatedly to display “RANDOM” in the display window.

• Selecting an item other than “RANDOM” cancels random playback.

2 Press [DVD/CD ►].

NOTE

- Each chapter or track is played back only once.
- Ejecting the disc or turning off the main unit cancels random playback.

Magnifying the picture

DVD VIDEO VCD SVCD

■When a disc is played back or paused

1 Press [ZOOM].

• Each time you press the button, the picture magnification changes in the display window.

2 Select the portion you want to magnify by using ▲, ▼, ◄ or ►.

• To return to normal playback, select “ZOOM x 1” in step 1.

NOTE

- When you magnify a picture, image quality may be deteriorated or the image may be distorted.

Playing back a disc/file repeatedly (Repeat playback)

DVD VIDEO CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2 VCD SVCD—(PBC off)

■When a disc/file is played back

Press [REPEAT].

- Each time you press [REPEAT], the repeat mode changes.

Display on the TV screen	Display in the display window	Indicator in the display window	Usage for the repeat mode
TITLE	REPEAT TITLE	ALL	Repeats the current title.
ALL or REPEAT ALL	REPEAT ALL	ALL	Repeats all tracks*1.
GROUP or REPEAT GROUP	REPEAT GROUP	GR	Repeats the current group.
CHAP*2	REPEAT CHAP*2		Repeats the current chapter.
TRACK*2 or REPEAT TRACK	REPEAT TRACK*2		Repeats the current track.
OFF or no display	REPEAT OFF	—	Cancels repeat.

*1 Repeats the whole program during program playback.

*2 “STEP” is displayed during program/random playback.

NOTE

- Repeat playback can also be set using the menu bar. (Refer to page 36.)
- You can also specify a part to be played back repeatedly by using A-B repeat playback. (Refer to page 37.)
- The repeat mode is automatically canceled if there is a file that cannot be played back.

Selecting the surround mode

DVD VIDEO VCD SVCD CD MP3 WMA

Press [SURROUND MODE].

- Each time you press [SURROUND MODE], the display changes in the display window as follows.
  - “AUTO SURROUND”
    When a multi-channel signal is input, surround sound is automatically produced.
  - “MOVIE/M.MUSIC”
    Surround sound suitable for a movie or multi-channel signal is produced.
  - “WIDE/2chMUSIC”
    When a 2ch signal is input, surround sound is produced. The sound is broader than the one with “MOVIE/M.MUSIC”.
  - “SUPER WIDE”
    Surround sound broader than the one with the “WIDE/2chMUSIC” is produced.
  - “SURROUND OFF”
    Turns off the surround sound.

NOTE

- When a surround-processed signal is input while “AUTO SURROUND”, “MOVIE/M.MUSIC”, “WIDE/2chMUSIC” or “SUPER WIDE” is selected, the “SURROUND” indicator in the display window lights up.
- Depending on the signal type, surround sound may not be produced as the surround mode setting.
- During playback, when you change the surround mode setting, sound from the [LINE OUT] and [LINE-DIGITAL OUT] terminals may be intermittent. Before recording sound to another device, select the desired surround mode setting.

Adjusting the picture quality (VFP)

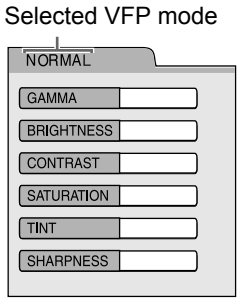
DVD VIDEO VCD SVCD

■When a disc is played back or paused

1 Press [VFP].

• The current settings are displayed.

TV screen (example)



2 Press ◄ or ► to select VFP mode.

• Each time you press ◄ or ►, VFP mode changes on the TV screen as follows.

- "NORMAL"
  For normal playback. (You cannot adjust the image quality.) Go to step 7.
- "CINEMA"
  Suitable for viewing a movie in a dim room. (You cannot adjust the image quality.) Go to step 7.
- "USER1/USER2"
  You can adjust the image quality. Go to step 3.

3 Press ▲ or ▼ to select the item you want to adjust.

• Each time you press ▲ or ▼, the item changes on the TV screen as follows.

- "GAMMA"
  Controls the brightness of neutral tints while maintaining the brightness of dark and light portions. (Selectable options: "LOW", "MID" and "HIGH")
- "BRIGHTNESS"
  Controls the brightness of the display. (Setting range: –8 to +8)
- "CONTRAST"
  Controls the contrast of the display. (Setting range: –12 to +12)
- "SATURATION"
  Controls the saturation of the display. (Setting range: –16 to +16)
- "TINT"
  Controls the tint of the display. (Setting range: –16 to +16)
- "SHARPNESS"
  Controls the sharpness of the display. (Selectable options: "LOW" and "HIGH")

4 Press [ENTER].

TV screen (example)

5 Press ▲ or ▼ to change the value.

6 Press [ENTER].

• To adjust other items, go back to step 3.

7 Press [VFP].

NOTE

- This function does not work when the [HDMI] terminal on the main unit is connected to a TV.
- If no operation is made for several seconds during the procedure, the settings made so far are automatically stored.
- "VFP" stands for "Video Fine Processor".

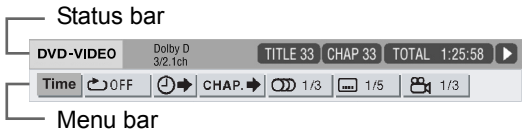
Using the status bar and the menu bar

DVD VIDEO VCD SVCD CD ASF DivX MPEG1 MPEG2

■When a disc/file is played back

1 Press [ON SCREEN] twice.

TV screen for a DVD VIDEO (example)

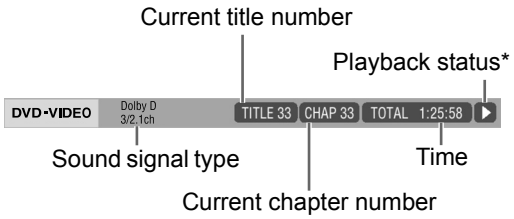


2 Press ◄ or ► to select an item you want to operate, and then press [ENTER].

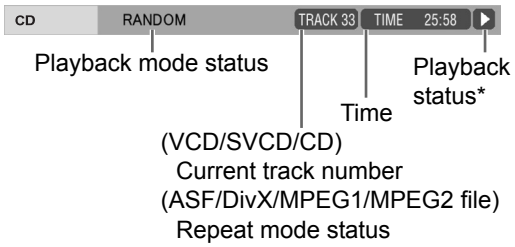
- To turn off the menu bar, press [ON SCREEN].

Information displayed on the status bar

DVD VIDEO



VCD/SVCD/CD/ASF/DivX/MPEG1/MPEG2
(the example below is for a CD)



NOTE

* The playback status has the same meaning of the mark on the on-screen guide. (Refer to page 27.)

Function list

To select the settings for those items listed below without a description of their operation, press ▲ or ▼ to select an item and press [ENTER].

Time Time display selection	Changes the time information in the display window and the status bar. Each time [ENTER] is pressed, the display changes on the menu bar. **DVD VIDEO (operating during playback)** TOTAL : Elapsed playback time of the current title. T.REM : Remaining time of the current title. Time : Elapsed playback time of the current chapter. REM : Remaining time of the current chapter. **CD (operating during playback)/ VCD/SVCD** Time : Elapsed playback time of the current track. REM : Remaining time of the current track. TOTAL : Elapsed playback time of the disc. T.REM : Remaining time of the disc.
OFF Repeat mode	Refer to page 34. (For A-B repeat playback, refer to page 37.)
Time search	Refer to page 37.
CHAP. Chapter search	**DVD VIDEO (chapter search)** Selects a chapter. Press the number buttons to enter the chapter number and press [ENTER]. **Examples:** 5 : [5] 24 : [≧10] → [2] → [4]
1/3 Audio language	**DVD VIDEO/VCD/SVCD/DivX** Refer to page 31.
1/ 5 Subtitle language	**DVD VIDEO/SVCD/DivX** Refer to page 31.
1/3 View angle	**DVD VIDEO** Refer to page 31.

Playing back a specified part repeatedly (A-B repeat playback)

DVD VIDEO CD VCD SVCD —(PBC off)

You can play back the desired part repeatedly by specifying a start point (A) and an end point (B).

■When a disc is played back

1 Press [ON SCREEN] twice.

• The menu bar appears. (Refer to page 36.)

2 Press ◄ or ► to select ↻ OFF.

3 Press [ENTER].

4 Press ▲ or ▼ to select "A-B".

5 Press [ENTER] at the start point of the part to be repeated (specifying point A).

• The icon on the menu bar is ↻ A-.

6 Press [ENTER] at the end point of the part to be repeated (specifying point B).

• The icon on the menu bar is ↻ A-B.

• The "↻" and "A-B" indicators light up in the display window and the part between points A and B is played back repeatedly.

Canceling A-B repeat playback

There are 2 methods.

- **Press ■.**
- **Select ↻ OFF. (Select ↻ A-B and press [ENTER] twice.)**

NOTE

- You can use A-B repeat playback only within the same title or track.
- You cannot use A-B repeat playback during program playback, random playback or repeat playback.

Designating the time (Time search)

DVD VIDEO CD VCD SVCD —(PBC off)

■When a disc is played back

1 Press [ON SCREEN] twice.

• The menu bar appears. (Refer to page 36.)

2 Press ◄ or ► to select ◴➡.

3 Press [ENTER].

4 Enter the time using the number buttons.

Example:
When you want to play back a DVD VIDEO from the position of (0 hour) 23 minutes 45 seconds, press the number buttons in the order of [0], [2], [3], [4] and [5].

• You can skip entering the minute and second settings.

• If the incorrect value is entered, press ◄ to delete the values and enter values again.

5 Press [ENTER].

• To turn off the menu bar, press [ON SCREEN].

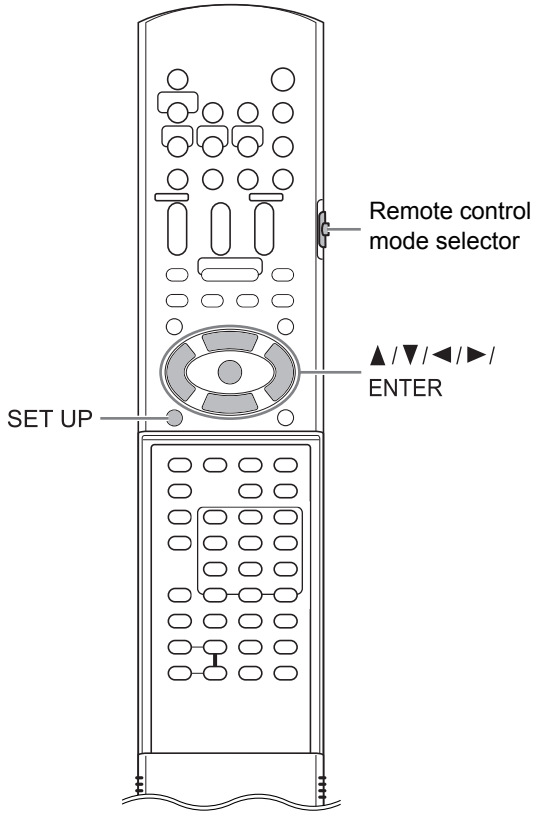
NOTE

- This function does not work during program playback or random playback.
- For a CD, you can use this function any time.
- Time search for a DVD VIDEO is from the beginning of the title.
- Time search for a VCD, an SVCD and a CD is as follows:
  - When the disc is stopped, time search is from the beginning of the disc.
  - When the disc is played back, time search is within the track currently being played back.

Changing the initial settings with the preference screen

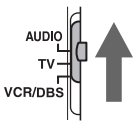
DVD VIDEO VCD SVCD CD MP3 WMA WAV JPEG ASF DivX MPEG1 MPEG2

You can change the initial settings of the main unit with the preference screen according to the environment where the main unit is used.



■ **CAUTION**

- Slide the remote control mode selector to [AUDIO].



NOTE

- The top and bottom of the preference screen may not be displayed on a wide TV. Adjust the picture size on the TV.

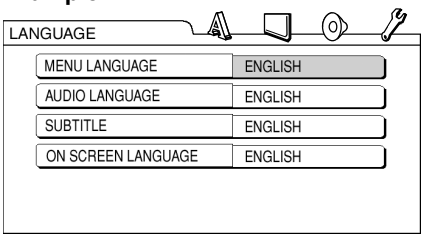
Basic operations

■When a disc/file is stopped or no disc is loaded (“NO DISC” is displayed in the display window)

1 Press [SET UP].

- The preference screen appears on the TV screen.

Example:



2 Use ▲, ▼, ◄, ► and [ENTER] to control the preference screen.

- Proceed with operations by following the description on the TV screen.

LANGUAGE

Items	Contents
MENU LANGUAGE	Select the language for the DVD VIDEO menu screen.
AUDIO LANGUAGE	Select the audio language for the DVD VIDEO.
SUBTITLE	Select the subtitle language for the DVD VIDEO.
ON SCREEN LANGUAGE	Select the language displayed on the preference screen.

NOTE

- If the selected language is not recorded on the disc/file, the optimum language set for the disc/file is displayed.
- For a language code such as “AA”, refer to the “Language codes” on page 41.

PICTURE

Items	Contents (: initial setting)
MONITOR TYPE	Select the display method suitable for your TV. **4 : 3 PS (Pan Scan) :** For a TV with conventional 4:3 aspect ratio. When a wide screen picture is input, the left and right edges of the picture are not shown on the screen. (If the disc/file is not compatible with Pan Scan, the picture is displayed at the Letterbox ratio.) **4 : 3 LB (Letterbox) :** For a TV with conventional 4:3 aspect ratio. When a wide screen picture is input, black bars appear on the top and bottom of the screen. **16 : 9 :** For an ordinary wide TV.
PICTURE SOURCE	Select the item suitable to the video source. **AUTO :** The video source type (a video or film) is automatically selected. **FILM :** To view a film or video recorded with the progressive scan method. **VIDEO (ACTIVE) :** Suitable for playing back a video with a lot of action. **VIDEO (NORMAL) :** Suitable for playing back a video without a lot of action.

Items	Contents (: initial setting)
SCREEN SAVER	You can turn **ON** or **OFF** the screen saver. The screen saver activates when there is no operation made for approximately 5 minutes since a still picture was last displayed. **NOTE** • This function does not work when this system outputs the video signal via the [HDMI] terminal.
FILE TYPE	When files of different types are recorded on a disc or connected USB mass storage class device, select the file type before playback. **AUDIO :** For MP3/WMA/WAV files. **STILL PICTURE :** For JPEG files. **VIDEO :** For ASF/DivX/MPEG1/MPEG2 files.
HDMI DVI COLOR	You can select the settings for the picture appearance (image quality, color intensity and black fading) on the TV connected to the [HDMI] terminal. **STANDARD :** For normal usage. **ENHANCE :** The main unit automatically adjusts the picture appearance.
HDMI OUT	You can select the video signal type output from the [HDMI] terminal. **AUTO :** For normal usage. The main unit automatically selects the output video signal type according to the TV connected to the [HDMI] terminal. **RGB :** Select this item if no picture appears on the TV with the “AUTO” setting. The output video signal type is set to the RGB signal.

AUDIO

Items	Contents (: initial setting)
DIGITAL AUDIO OUTPUT	Select the output signal type suitable to the device connected to the [LINE-DIGITAL OUT] terminal. Refer to "List of relationships of DIGITAL AUDIO OUTPUT preference items and output signal" on page 41. **PCM ONLY :** Device corresponding only to linear PCM. **DOLBY DIGITAL/PCM :** Dolby Digital decoder or device having the same function. **STREAM/PCM :** DTS/Dolby Digital decoder or device having the same function.
DOWN MIX	Select the signal suitable to the device connected to the [LINE-DIGITAL OUT] terminal. Set "DOWN MIX" only when "DIGITAL AUDIO OUTPUT" is set to "PCM ONLY". **DOLBY SURROUND :** Dolby Pro Logic decoder-built-in device. **STEREO :** Ordinary audio device.
D (Dynamic). RANGE COMPRESSION	To correct the difference between high volume and low volume when playing back with low volume (only for a DVD recorded with Dolby Digital). **WIDE RANGE :** For enjoying the original full dynamic range of surround sound without effects. **NORMAL :** For normal usage. Surround sound is compressed to a certain level.
HDMI AUDIO OUT	You can select whether or not the audio signal from the [HDMI] terminal is output. **ON :** The audio signal from the [HDMI] is output. **OFF :** The audio signal from the [HDMI] is not output. **NOTE** • Depending on the connected TV, when "HDMI AUDIO OUT" is set to "ON", only PCM signals can be output via an HDMI cable.

OTHERS

Items	Contents (: initial setting)
RESUME	Select **ON** or **OFF**. (Refer to page 28.)
ON SCREEN GUIDE	Select **ON** or **OFF**. (Refer to page 27.)
DivX REGISTRATION	The main unit has its own registration code. You can confirm the registration code, when necessary. Once you have played back a disc/file on which the registration code is recorded, the registration code of the main unit is overwritten for copyright protection.
NETWORK SETUP	For DD-8/DD-3 users: Refer to the separate volume of the operation manual for the network function. For DD-1 users: This item is not available.

List of relationships of DIGITAL AUDIO OUTPUT preference items and output signal

Playback disc/file	DIGITAL AUDIO OUTPUT preference		
	STREAM/PCM	DOLBY DIGITAL/PCM	PCM ONLY
48 kHz, 16/20/24 bits linear PCM DVD VIDEO 96 kHz linear PCM DVD VIDEO	48 kHz, 16 bits stereo linear PCM		
DTS DVD VIDEO	DTS bit stream	48 kHz, 16 bits stereo linear PCM	
DOLBY DIGITAL DVD VIDEO	DOLBY DIGITAL bit stream		48 kHz, 16 bits stereo linear PCM
CD/VCD/SVCD	44.1 kHz, 16 bits stereo linear PCM 48 kHz, 16 bits linear PCM		
DTS CD	DTS bit stream	44.1 kHz, 16 bits linear PCM	
MP3/WMA/DivX file	32/44.1/48 kHz, 16 bits linear PCM		

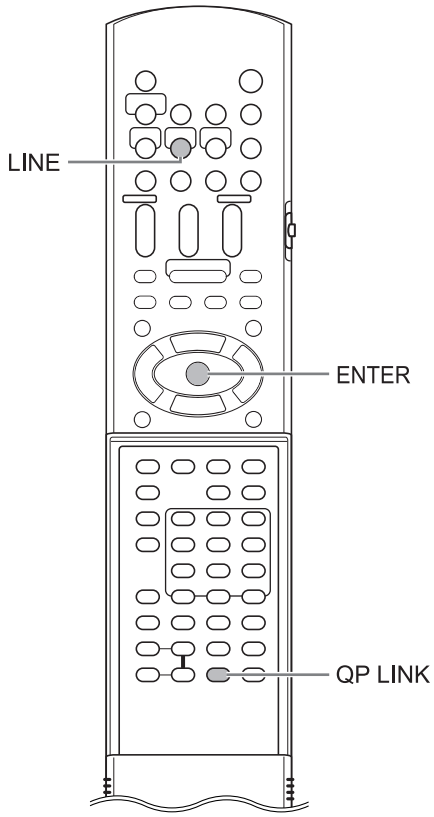
NOTE

- Among DVD VIDEOs without copyright protection, there may be some DVD VIDEOs that output a 20- or 24- bit signal through the [LINE-DIGITAL OUT] terminal.

Language codes

Code	Language	Code	Language	Code	Language	Code	Language
AA	Afar	GD	Scots Gaelic	MI	Maori	SL	Slovenian
AB	Abkhazian	GL	Galician	MK	Macedonian	SM	Samoan
AF	Afrikaans	GN	Guarani	ML	Malayalam	SN	Shona
AM	Ameharic	GU	Gujarati	MN	Mongolian	SO	Somali
AR	Arabic	HA	Hausa	MO	Moldavian	SQ	Albanian
AS	Assamese	HI	Hindi	MR	Marathi	SR	Serbian
AY	Aymara	HR	Croatian	MS	Malay (MAY)	SS	Siswati
AZ	Azerbaijani	HU	Hungarian	MT	Maltese	ST	Sesotho
BA	Bashkir	HY	Armenian	MY	Burmese	SU	Sundanese
BE	Byelorussian	IA	Interlingua	NA	Nauru	SV	Swedish
BG	Bulgarian	IE	Interlingue	NE	Nepali	SW	Swahili
BH	Bihari	IK	Inupiak	NL	Dutch	TA	Tamil
BI	Bislama	IN	Indonesian	NO	Norwegian	TE	Telugu
BN	Bengali, Bangla	IS	Icelandic	OC	Occitan	TG	Tajik
BO	Tibetan	IW	Hebrew	OM	(Afan) Oromo	TH	Thai
BR	Breton	JI	Yiddish	OR	Oriya	TI	Tigrinya
CA	Catalan	JW	Javanese	PA	Panjabi	TK	Turkmen
CO	Corsican	KA	Georgian	PL	Polish	TL	Tagalog
CS	Czech	KK	Kazakh	PS	Pashto, Pushto	TN	Setswana
CY	Welsh	KL	Greenlandic	PT	Portuguese	TO	Tonga
DA	Danish	KM	Cambodian	QU	Quechua	TR	Turkish
DZ	Bhutani	KN	Kannada	RM	Rhaeto-Romance	TS	Tsonga
EL	Greek	KO	Korean (KOR)	RN	Kirundi	TT	Tatar
EO	Esperanto	KS	Kashmiri	RO	Rumanian	TW	Twi
ET	Estonian	KU	Kurdish	RU	Russian	UK	Ukrainian
EU	Basque	KY	Kirghiz	RW	Kinyarwanda	UR	Urdu
FA	Persian	LA	Latin	SA	Sanskrit	UZ	Uzbek
FI	Finnish	LN	Lingala	SD	Sindhi	VI	Vietnamese
FJ	Fiji	LO	Laothian	SG	Sangho	VO	Volapuk
FO	Faroese	LT	Lithuanian	SH	Serbo-Croatian	WO	Wolof
FY	Frisian	LV	Latvian, Lettish	SI	Singhalese	XH	Xhosa
GA	Irish	MG	Malagasy	SK	Slovak	YO	Yoruba
						ZU	Zulu

Playing back sources from other devices



Selecting other devices as the source

1 Press [LINE].

- Each time you press [LINE], the display changes in the display window as follows.
  - "LINE 1" for selecting the device connected to the [LINE IN 1] terminal
  - "LINE 2" for selecting the device connected to the [LINE IN 2] terminals
  - "LINE-DIGITAL" for selecting the digital audio device connected to the [LINE-DIGITAL IN] terminal
- You can also select the connected device as the source by repeatedly pressing [SOURCE] on the main unit.

2 Start playback on the connected device.

- Refer also to the operation manual for the connected device.

3 Adjust the volume and make other necessary settings.

- Refer to "Basic operations" on page 17.

Selecting the signal gain

You can select the gain of the signal from the [LINE IN 1] and [LINE IN 2] terminals.
Use the initial settings for normal operation. If the sound is too small or too loud, change the settings.

1 Press [LINE] repeatedly to select "LINE 1" or "LINE 2" in the display window.

2 Hold down [ENTER].

- Each time you hold down [ENTER], the display changes as follows.

"LEVEL 1" : the initial setting for "LINE 2"
↓
"LEVEL 2"
↓
"LEVEL 3" : the initial setting for "LINE 1"

- The signal gain increases in the order of "LEVEL 1", "LEVEL 2" and "LEVEL 3".

NOTE

- You can select the signal gain respectively for "LINE 1" and "LINE 2".

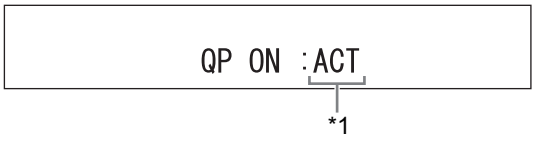
QP LINK

When you start analog playback of a portable digital audio player connected to the [LINE IN 1] terminal while the main unit is off or another source is selected, the main unit automatically turns on and the source changes to the connected portable digital audio player. This function is called the quick portable link function (QP LINK).

Activating QP LINK

Press [QP LINK] repeatedly to select "QP ON" in the display window.

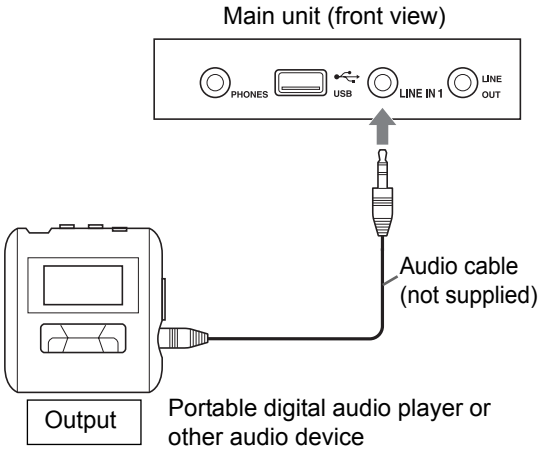
- To deactivate QP LINK, select "QP OFF".
- You can set QP LINK when the main unit is both on and off.



Using QP LINK

■When "QP ON" is selected

1 Connect a portable digital audio player to the [LINE IN 1] terminal using an audio cable.



2 Start playback on the portable digital audio player.

- If the main unit is off, the main unit automatically turns on.
- The source from the portable digital audio player is automatically selected, "LINE 1" is displayed and sound is produced.

NOTE

*1 When "QP ON" is displayed, ":ACT" or ":NO ACT" is also displayed to indicate the status of QP LINK. (According to the status of the main unit, ":ACT" and ":NO ACT" changes automatically.)
- "QP ON :ACT" is displayed when QP LINK is activated and available.
- "QP ON :NO ACT" is displayed when QP LINK is activated but unavailable.

Pressing [QP LINK] once can be used to confirm the status of QP LINK.

Selecting the sensitivity for QP LINK

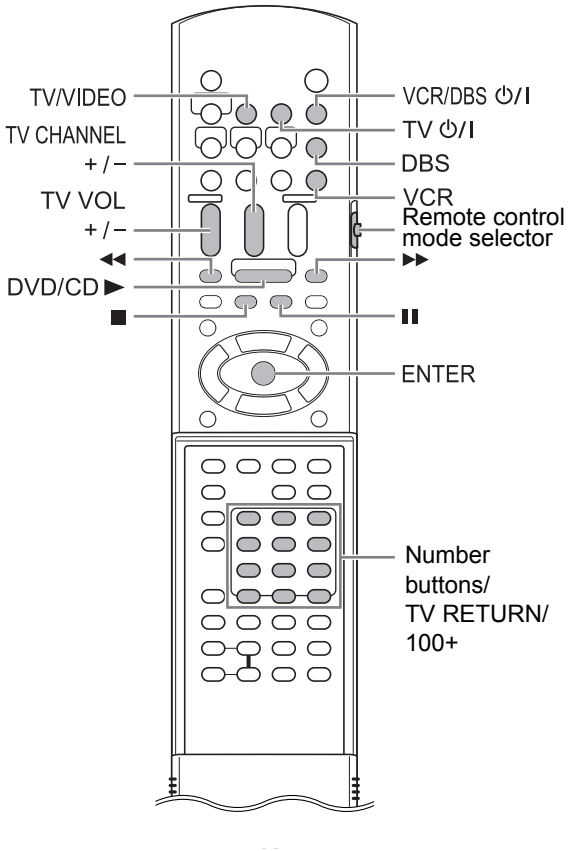
If the sensitivity for the input audio signal is too high, QP LINK may be activated even when the portable digital audio player is not played back. At this time, you can select the lower sensitivity.

Hold down [QP LINK].

- Each time you hold down [QP LINK], the display changes in the display window as follows.
  - "QP: LEVEL1" for normal usage (the initial setting)
  - "QP: LEVEL2" for lower sensitivity

Operating other devices using the remote control

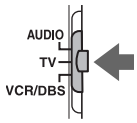
You can operate your TV, video cassette recorder (VCR) and digital broadcast satellite (DBS) using the remote control of this system.



Operating a TV using the remote control

Setting the manufacturer code

1 Slide the remote control mode selector to [TV].



2 Hold down [TV ⏻/I].

• Hold down [TV ⏻/I] until you finish step 4.

3 Press [ENTER] and release.

4 Press number buttons to enter the manufacturer code.

Examples:
For a Hitachi TV: Press [1], then [0].
For a Toshiba TV: Press [0], then [8].
When the manufacturer of your TV has 2 or more codes, select the manufacturer codes in turn and find the one that operates the TV and the remote control properly.

Manufacturer	Code
JVC	01
Hitachi	10
Magnavox	02
Mitsubishi	03
Panasonic	04, 11
Philips	15
RCA	05
Samsung	12, 18, 19, 20, 21
Sanyo	13, 14
Sharp	06, 16, 17
Sony	07
Toshiba	08
Zenith	09

5 Release [TV ⏻/I].

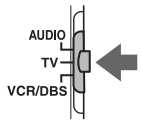
NOTE

- Manufacturer codes are subject to change without notice. You may not be able to operate the TV produced by the manufacturer.
- After replacing the batteries of the remote control, set the manufacturer code again.

(Continued on the next page)

Using the remote control for the TV operation

Operate the remote control by pointing it at the TV.

<table>
<tr><th>Remote control button</th><th colspan="2">Usage</th></tr>
<tr><td>[TV ⏻/I]</td><td colspan="2">Turns on/off the TV.</td></tr>
<tr><td>[TV/VIDEO]</td><td colspan="2">Changes between the TV and video input.</td></tr>
<tr><td>[TV CHANNEL +/–]</td><td colspan="2">Changes channels.</td></tr>
<tr><td>[TV VOL +/–]</td><td colspan="2">Adjusts volume.</td></tr>
<tr><td>Number buttons (1-9, 0, 100+)</td><td rowspan="2">Slide the remote control mode selector to [TV] in advance.
 
</td><td>Selects the channels.</td></tr>
<tr><td>[TV RETURN]</td><td>Changes between the previously selected channel and the current channel.</td></tr>
</table>

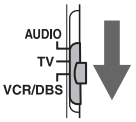
NOTE

- When the remote control mode selector is slid to [TV], some buttons may not work.

Operating a VCR/DBS using the remote control

Setting the manufacturer code

1 Slide the remote control mode selector to [VCR/DBS].



2 Press [VCR] or [DBS].

3 Hold down [VCR/DBS ⏻/I].

- Hold down [VCR/DBS ⏻/I] until you finish step 5.

4 Press [ENTER] and release.

5 Press number buttons to enter the manufacturer code.

Manufacturer codes for VCRs
Examples:
For a Hitachi VCR: Press [0], then [4].
For a Mitsubishi VCR: Press [1], then [3].
When the manufacturer of your VCR has 2 or more codes, select the manufacturer codes in turn and find the one that operates the VCR and the remote control properly.

Manufacturer	Code
JVC	01, 02, 03
Emerson	11, 26
Fisher	29
Funai	10, 14, 15, 16
Gold Star	12
Hitachi	04
Mitsubishi	13
NEC	25
Panasonic	07, 17
Philips	09
RCA	05, 06
Samsung	24
Sanyo	21, 22, 23
Sharp	27, 28
Shintom	30
Sony	18, 19, 20
Zenith	08

Manufacturer codes for DBSs
Examples:
For an Echostar DBS: Press [2], then [1].
For a Sony DBS: Press [2], then [0].
When the manufacturer of your DBS has 2 or more codes, select the manufacturer codes in turn and find the one that operates the DBS and the remote control properly.

Manufacturer	Code
G. I.	01, 02, 03, 04, 05, 06, 07, 08
Echostar	21
Hamlin	15, 16, 17, 18
Jerrold	01, 02, 03, 04, 05, 06, 07, 08
Pioneer	13, 14
RCA	19
Scientific Atlanta	09, 10
Sony	20
Zenith	11, 12

6 Release [VCR/DBS ⏻/I].

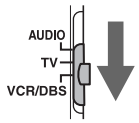
NOTE

- Manufacturer codes are subject to change without notice. You may not be able to operate the VCR/DBS produced by the manufacturer.
- After replacing the batteries of the remote control, set the manufacturer code again.

Using the remote control for the VCR/DBS operation

Before the VCR/DBS operation, select the remote control mode for the VCR/DBS.

1 Slide the remote control mode selector to [VCR/DBS].



2 Press [VCR] or [DBS].

Operate the remote control by pointing it at the VCR/DBS.

Remote control button assigned for the VCR operation

Remote control button	Usage
[VCR/DBS ⏻/I]	Turns on/off the VCR.
[VCR]	Selects the VCR input.
[TV CHANNEL +/–]	Changes channels.
Number buttons (1-10, 0, ≧10)	Selects the channels.
[DVD/CD ►]	Starts playback.
■	Stops playback.
II	Pauses playback.
►►	Fast-forwards the tape.
◄◄	Fast-rewinds the tape.

Remote control button assigned for the DBS operation

Remote control button	Usage
[VCR/DBS ⏻/I]	Turns on/off the DBS.
[DBS]	Selects the DBS input.
[TV CHANNEL +/–]	Changes channels.
Number buttons (1-9, 0, ≧10)	Selects the channels.

NOTE

- When the remote control mode selector is slid to [VCR/DBS], some buttons may not work.

Notes on operation

Suitable locations for the main unit

To minimize the need for servicing and maintain the high quality of this system, do not place the main unit in the following locations:

- In a position subject to high humidity or considerable dust
- On an uneven or unstable surface
- Near a heat source
- Near a computer, fluorescent light or other electric appliance
- In a small room with insufficient ventilation
- In a position exposed to direct sunlight
- In a position exposed to excessive cold
- In a position exposed to strong vibration
- Near a TV, other amplifier, or tuner
- Near a magnetic source

■ **CAUTION**

- The operating temperature of this system is 5°C to 35°C. Use in temperatures outside this range may cause a malfunction or damage the system.

Condensation

Under the following conditions, you may not be able to operate this system properly due to condensation formed on the lens of the main unit:

- When you have just started an air conditioner to warm your room
- When you have placed the main unit at an area with high humidity
- When you have moved the main unit from a cold place to a warm place

When condensation forms, leave the main unit turned on, wait for approximately 1 or 2 hours, and then operate the main unit.

Cleaning the main unit

When the operation panel becomes dirty, dust it with a soft dry cloth. When the operation panel is very dirty, wipe it with a cloth dampened with a small amount of a neutral detergent, and then wipe it with a soft dry cloth.

■ **CAUTION**

- Do not wipe the operation panel with thinners, benzenes or other chemical agents. Do not spray insecticides onto the operation panel. These may cause discoloration and damage to the surface.

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- HDCP is the abbreviation of “High-Bandwidth Digital Content Protection”, and is the high-reliable copy control technology licensed by Digital Content Protection, LLC.

Notes on handling

Important cautions

Installation of the system
- Select a place which is level, dry and neither too hot nor too cold; between 5°C and 35°C.
- Leave sufficient distance between the system and the TV.
- Do not use the system in a place subject to vibration.

Power cord
- Do not handle the power cord with wet hands!
- A small amount of power is always consumed while the power cord is connected to the wall outlet.
- When unplugging the power cord from the wall outlet, always pull on the plug, not the power cord.

To prevent malfunctions of the system
- There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.
- Do not insert any metallic object into the system.

Note about copyright laws
Check the copyright laws in your country before recording from CDs. Recording of copyrighted material may infringe copyright laws.

Safety Precautions

Avoid moisture, water and dust
Do not place the system in moist or dusty places.

Avoid high temperatures
Do not expose the system to direct sunlight and do not place it near a heating equipment.

When you are away
When away on travel or for other reasons for an extended period of time, disconnect the power cord plug from the wall outlet.

Do not block the vents
Blocking the vents may damage the system.

Care of the cabinet
When cleaning the system, use a soft cloth and follow the relevant instructions on the use of chemically-coated cloths. Do not use benzene, thinner or other organic solvents including disinfectants. These may cause deformation or discoloring.

If water gets inside the system
Turn the system off and disconnect the power cord plug from the wall outlet, then call the store where you made your purchase. Using the system in this condition may cause fire or electrical shock.

• This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Notes on discs/files

Playable disc/file types

Playable discs *1	DVD VIDEO, VCD, SVCD, CD, CD-R, CD-RW, DVD-R, DVD-RW, +R, +RW
Playable files recorded on a disc *1, *2	MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1, MPEG2
Playable files recorded on a USB mass storage class device *3	
Playable files stored on a computer (Only for DD-8 and DD-3)	Refer to the separate volume of the operation manual for the network function.

- Even though listed above, some types may be unplayable.

*1 Discs should be finalized before being played back.

*2 For files recorded on a DVD-R/DVD-RW, the disc should be formatted with UDF Bridge.

*3 This system may not recognize some USB mass storage class devices. This system cannot play back a file whose data volume is more than 2 gigabytes and a file whose data transfer rate is more than 2 Mbps.

It is possible to play back finalized +R/+RW (DVD Video Format only) discs. “DVD” lights on the front display panel when a +R/+RW disc is loaded.

Some discs may not be played back because of their disc characteristics, recording conditions, or damage or stains on them.

Only sounds can be played back from the following discs:

MIX-MODE CD CD-G
CD-EXTRA CD TEXT

This system accommodates the NTSC and PAL systems.

Region code of DVD VIDEO

DVD VIDEO players and DVD VIDEO discs have their own Region Code numbers. This system can play back a DVD VIDEO whose Region Code number includes the system’s Region Code, which is indicated on the rear panel.

Examples:

For Australia, Central and South America

For the Middle Eastern countries

For countries/areas other than Australia, Central and South America, or Middle Eastern countries

If a DVD VIDEO with an improper region code number is loaded, “REGION CODE ERROR!” appears on the TV screen and playback cannot start.

- **On some DVD VIDEOs, VCDs, SVCDs or DivX files, their actual operation may be different from what is explained in this manual. This is due to the disc/file programming and disc/file structure, not a malfunction of this system.**

Unplayable discs

- The following discs cannot be played back:
- DVD-ROM (except for MP3/WMA/JPEG/ASF/DivX/MPEG1/MPEG2 format), DVD-RAM, CD-ROM, CD-I (CD-I Ready), Photo CD, SACD, etc.
- Playing back these discs will generate noise and damage the speakers.
- Damaged discs and discs in an extraordinary shape (other than a disc of 12 cm or 8 cm in diameter) cannot be played back.
- JVC does not guarantee the operation and sound quality of discs not authorized by CD-DA, which is a CD specification.
  Before playback, confirm that the disc complies with this CD specification by checking the marks and reading notes printed on the package.

Playable MP3/WMA/WAV/JPEG/ASF/DivX/MPEG1/MPEG2 discs/files

- CDs recorded in the ISO 9660 format are playable (except CDs recorded in the “packet write” format (UDF format)).
- CDs recorded in the multi-session format are also playable.
- Files with an extension of “.mp3”, “.wma”, “.wav”, “.jpg”, “.jpeg”, “.asf”, “.divx”, “.div”, “.avi”, “.mpg” or “.mpeg” (extensions with uppercase and lowercase letters mixed are also acceptable) are playable.
- This system cannot play back DVDs recorded in multi-session or multi-border format.

Notes on MP3/WMA/WAV/JPEG/ASF discs/files

- A disc may not be played back, or reading it may take a long time depending on its recording conditions or properties.
- The time needed for reading varies with the number of groups or tracks (files) recorded on the disc.
- If a character other than single byte English characters is used in the file name of an MP3/WMA/JPEG/ASF file, the track/file name will not be displayed correctly.
- The order of tracks/groups displayed on the MP3/WMA menu screen, and the order of files/groups displayed on the JPEG menu screen may be different from that of files/folders displayed on a computer monitor screen.
- In the case of MP3/WMA discs, since groups/tracks are played back in alphabetical order, a commercially available MP3/WMA disc may be played back in an order different from that indicated on the label attached to the disc.
- Playing back an MP3/WMA file including a still image may take a long time. The elapsed time is not displayed until playing back starts. If playing back starts, the elapsed time may not be displayed correctly.
- For an MP3/WMA file, a disc with a sampling frequency of 44.1 kHz and transmission rate of 128 kbps is recommended.
- This system is not compatible with MP3i or MP3PRO.
- This system can play back a baseline JPEG file, excluding monochromatic JPEG files.
- This system can play back JPEG data taken with a digital camera conforming to the DCF (Design Rule for Camera File System) standard (when a function is applied such as the automatic rotation function of a digital camera, data goes beyond the DCF standard, so the image may not be displayed).
- If data has been processed, edited and restored with computer image editing software, the data may not be displayed.
- This system cannot play back animations such as MOTION JPEG, still pictures (TIFF etc.) other than JPEG, or image data with sound.
- The resolution of 640 x 480 pixels is recommended for JPEG files. If a file has been recorded at a resolution of more than 640 x 480 pixels, display may take a long time. An image with a resolution of more than 8 192 x 7 680 pixels cannot be displayed.
- The system supports ASF files recorded with the maximum bit rate of 384 kbps and an audio coder decoder of G.726.
- For a WAV file, a disc with a sampling frequency of 44.1 kHz and a transmission rate of 16 bits is recommended.

Notes on DVD-R/DVD-RW

- This system does not support a disc recorded in multi-border format.
- This system does not support a disc recorded in DVD VR format.

Notes on DivX discs/files

- The system supports DivX 5.x, 4.x and 3.11.
- The system supports DivX files with a resolution of 720 x 480 pixels or less (30 fps) and 720 x 576 pixels or less (25 fps).
- Audio stream should conform to MPEG1 Audio Layer-2 or MPEG Audio Layer-3 (MP3).
- The system does not support GMC (Global Motion Compression).
- Files encoded in the interlaced scanning mode may not be played back correctly.
- Playing back a DivX file may take a long time. The elapsed time is not displayed until playback starts. The elapsed time may also not be displayed correctly.

Notes on MPEG1/MPEG2 discs/files

- The stream structure of MPEG1/MPEG2 discs and files should conform to MPEG system/program stream.
- 720 x 576 pixels (25 fps)/720 x 480 pixels (30 fps) is recommended for the highest resolution.
- This system also supports the resolutions of 352 x 576/480 x 576/352 x 288 pixels (25 fps) and 352 x 480/480 x 480/352 x 240 pixels (30 fps).
- The profile and level should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/MP@LL (Main Profile at Low Level).
- Audio streams should conform to MPEG1 Audio Layer-2, MPEG2 Audio Layer-2 or Dolby Digital (MPEG2 only).

Caution for DualDisc playback

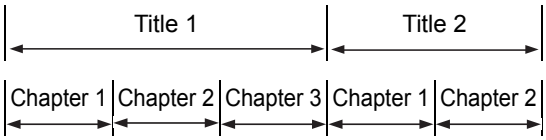
The Non-DVD side of a “DualDisc” does not comply with the “Compact Disc Digital Audio” standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

Notes on files recorded on a connected USB mass storage class device

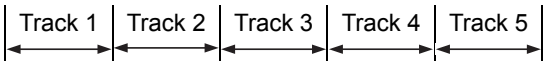
- JVC bears no responsibility for any loss of data on the USB mass storage class device while using this system.
- This system is compatible with USB 2.0 Full-Speed.
- Tracks coded or encrypted using a special method cannot be played on the system.
- Some portable audio players are not compatible with the system.
- This system may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management).

Data hierarchy

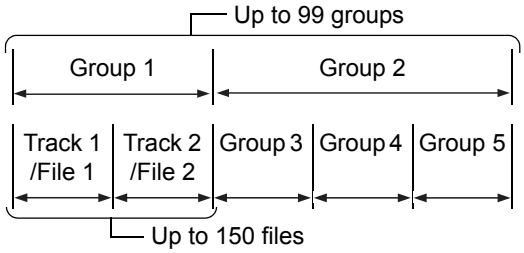
DVD VIDEO
A DVD VIDEO consists of “titles” and each title may be divided into “chapters”.



VCD/SVCD/CD
A VCD/SVCD/CD consists of “tracks”.
In general, each track has its own track number. (On some discs, each track may also be further divided by indexes.)



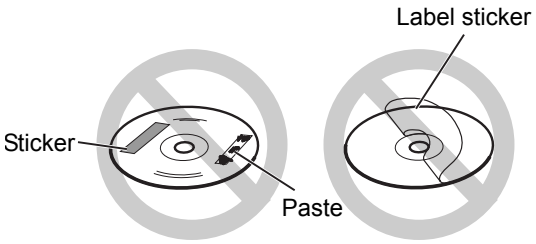
MP3/WMA/WAV/JPEG/ASF/DivX/MPEG1/ MPEG2 files
Audio, still pictures and video are recorded as tracks/files on a disc or a USB mass storage class device. Tracks/files are usually grouped into a folder. Folders can also include other folders, creating hierarchical folder layers.
This system simplifies the hierarchical construction of files and manages folders by “groups”.



This system can recognize up to 4 000 tracks/files on a disc. Also, the system can recognize up to 150 tracks/files per group and up to 99 groups on a disc. Since the system ignores the tracks/files with numbers exceeding 150 and the groups with numbers exceeding 99, these cannot be played back. If there are any type of files other than MP3/WMA/WAV/JPEG/ASF/DivX/MPEG1/MPEG2 files on a disc, those files are also counted in the total file number.

Handling discs

- Do not use any non-standard shape disc (like a heart, flower or credit card, etc.) available on the market, because it may damage the system.
- Do not use a disc with tape, stickers, or paste on it, because it may damage the system.
- Do not bend the disc.



Cleaning discs

Wipe the disc from the center outward with a soft cloth.

Scratches concentrated on a certain part cause sound dropout.

- Be sure not to use thinners, benzenes, cleaners for analog records, or other chemical agents.

Troubleshooting

Problem	Possible cause	Possible solution	Reference page
No sound/video is produced.	Improper connection.	Connect all cables properly.	5
	Headphones are connected.	Disconnect the headphone plug.	3
No sound/video is produced via the [HDMI] terminal. (Only for DD-8/ DD-3)	A disc/file recorded in a format incompatible with the main unit/ TV is played back.	Confirm the playable disc/file types.	49
	The connected TV is not compatible with HDCP.	Connect a TV compatible with HDCP.	12, 13
	The main unit fails to recognize the TV connected to the [HDMI] terminal.	Disconnect the HDMI cable and connect it again.	12, 13
	An HDMI cable longer than 5 m (15 feet) is used.	Use an HDMI cable of 5 m (15 feet) or shorter to assure stable operation and picture quality.	–
Disc playback does not start.	The disc is upside down.	Place the disc on the disc tray with the printed surface facing up.	23
	Moisture has condensed on the lens.	Leave the main unit turned on, wait for approximately 1 or 2 hours, and then operate the main unit.	47
A certain point cannot be played back properly.	The disc is scratched or dirty.	Clean or replace the disc.	52
The picture is distorted when the TV is connected to the [HDMI] terminal. (Only for DD-8/ DD-3)	The proportion of the picture is not appropriate.	Connect the TV to the [VIDEO] terminal or [S-VIDEO] terminal, and select the video signal type and the monitor out type.	12-14
A radio broadcast cannot be received.	No antenna is connected.	Connect an antenna.	5
A whirring noise is produced.	The main unit is located close to a TV, computer, or other electric appliance.	Place the main unit away from a TV, computer, or other electric appliance.	48
The disc tray does not eject.	If “LOCKED” appears in the display window, disc ejection has been locked.	Cancel the disc ejection lock.	20
You cannot operate the remote control.	The remote control batteries are running low.	Replace the batteries with new batteries.	4
You cannot operate the main unit using the remote control.	The remote control mode selector on the remote control is slid to [TV] or [VCR/DBS].	Slide the remote control mode selector to [AUDIO].	17
MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1 or MPEG2 files cannot be played back.	The loaded disc may include files of different types (MP3, WMA, WAV, JPEG, ASF, DivX, MPEG1 or MPEG2).	Select “FILE TYPE”. You can play back only the files of the types selected with “FILE TYPE”. If the main unit has read the file before you make the “FILE TYPE” setting, perform either of the following after setting “FILE TYPE” to the desired file type. • For playing back files on the disc, reload the disc. • For playing back files on the USB mass storage class device, disconnect the USB mass storage class device and then connect it again.	39
Playback starts suddenly.	QP LINK may be working. This is not a malfunction.	Select “QP OFF”.	43

If this system does not work properly despite the above “Possible solution”

Many functions of this system are controlled by microprocessors that can be reset by recycling the power supply. If pressing any button does not result in the normal action, disconnect the power cable from the outlet, wait for a while, and connect the power cable again.

Specifications

Main unit (CA-DD8/CA-DD3/ CA-DD1)

Tuner

FM frequency: 87.50 MHz - 108.00 MHz
AM frequency (Middle Eastern countries):
531 kHz - 1 602 kHz
(9 kHz spacing)
530 kHz - 1 600 kHz
(10 kHz spacing)
AM frequency (other countries/areas):
531 kHz - 1 710 kHz
(9 kHz spacing)
530 kHz - 1 710 kHz
(10 kHz spacing)

Terminal (front of the main unit)

- Audio output headphone terminal x 1
  Impedance: 16 Ω to 1 kΩ
- USB digital input terminal x 1
- Analog input terminal x 1
  Stereo mini jack
- Analog output terminal x 1
  Stereo mini jack

Terminal (rear of the main unit)

- Optical digital input terminal x 1
  –23 dBm to –15 dBm
- Optical digital output terminal x 1
  –23 dBm to –15 dBm
- System terminal x 1
- Component video output terminals (3) x 1
  Y: 1.0 Vp-p, sync negative, 75 Ω terminated
  P_B: 0.7 Vp-p, 75 Ω terminated
  P_R: 0.7 Vp-p, 75 Ω terminated
- Audio input terminals (2) x 1
  500 mV/47 kΩ
- Composite video output terminal x 1
  1.0 Vp-p, 75 Ω terminated
- S-video output terminal x 1
  Y: 1.0 Vp-p, 75 Ω terminated
  C (For the PAL system): 0.3 Vp-p, 75 Ω terminated
  C (For the NTSC system): 0.286 Vp-p, 75 Ω terminated
- AM antenna terminal x 1
- FM antenna terminal x 1
- Ethernet terminal x 1 (not available for DD-1)
- HDMI monitor output terminal x 1 (not available for DD-1)

USB

Compatible with USB 2.0 Full-Speed
Compatible device: Mass storage class device
Compatible file system: FAT16, FAT32
Bus power supply: Max. 500 mA

General

Power source (Australia): AC 240 V ∿, 50 Hz
Power source (Hong Kong): AC 220 V ∿, 50 Hz
Power source (other countries/areas):
AC 110 - 240 V ∿,
50 Hz/60 Hz
Power consumption (in operation): 25 W
Power consumption (on standby): 0.5 W
Dimensions (W x H x D): 445 mm x 55 mm x 286.4 mm
(including projecting parts)
Weight: 3.5 kg (CA-DD8)
3.0 kg (CA-DD3/CA-DD1)

Subwoofer for DD-8 (SP-PWDD8)

Type: Bass reflex type
Magnetically shielded type
Amplifier:
- Subwoofer: 120 W at 4 Ω (110 Hz, THD 10%)
- Left/right speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)
- Center surround speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)

Speaker:
- 16 cm cone
- Power handling capacity: 120 W
- Impedance: 4 Ω
- Frequency range: 30 Hz - 230 Hz
- Sound pressure level: 72 dB/W•m

General:
- Power source (Australia): AC 240 V ∿, 50 Hz
- Power source (Hong Kong): AC 220 V ∿, 50 Hz
- Power source (other countries/areas): AC 110 V/127 V/220 - 240 V ∿, 50 Hz/60 Hz
- Power consumption: 120 W
- Dimensions (W x H x D): 242 mm x 364 mm x 363 mm
- Weight: 12.6 kg

Subwoofer for DD-3 (SP-PWDD3)

Type: Bass reflex type
Amplifier:
- Subwoofer: 120 W at 4 Ω (110 Hz, THD 10%)
- Left/right speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)
- Center surround speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)

Speaker:
- 16 cm cone
- Power handling capacity: 120 W
- Impedance: 4 Ω
- Frequency range: 30 Hz - 230 Hz
- Sound pressure level: 72 dB/W•m

General:
- Power source (Australia): AC 240 V ∿, 50 Hz
- Power source (Hong Kong): AC 220 V ∿, 50 Hz
- Power source (other countries/areas): AC 110 V/127 V/220 - 240 V ∿, 50 Hz/60 Hz
- Power consumption: 120 W
- Dimensions (W x H x D): 242 mm x 364 mm x 363 mm
- Weight: 12.3 kg

Subwoofer for DD-1 (SP-PWDD1)

Type: Bass reflex type
Amplifier:
- Subwoofer: 120 W at 4 Ω (110 Hz, THD 10%)
- Left/right speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)
- Center surround speaker: 25 W x 2 at 3 Ω (1 kHz, THD 10%)

Speaker:
- 16 cm cone
- Power handling capacity:120 W
- Impedance: 4 Ω
- Frequency range: 30 Hz - 230 Hz
- Sound pressure level:72 dB/W•m

General:
- Power source (Australia):AC 240 V ∿, 50 Hz
- Power source (Hong Kong):AC 220 V ∿, 50 Hz
- Power source (other countries/areas): AC 110 V/127 V/220 - 240 V ∿, 50 Hz/60 Hz
- Power consumption:120 W
- Dimensions (W x H x D):221 mm x 361 mm x 340 mm
- Weight: 11.0 kg

Left and right speakers for DD-8 (SP-DD8F)

Type: 2-way 3-speaker bass reflex type
Magnetically shielded type
Speaker: 8 cm cone x 2 + 2 cm dome
Power handling capacity:30 W
Impedance: 3 Ω
Frequency range: 60 Hz - 40 kHz
Sound pressure level: 81 dB/W•m
Dimensions (W x H x D):289 mm x 1 101 mm x 289 mm
Weight (1 unit): 10.0 kg

Left and right speakers for DD-3 (SP-DD3F)

Type: 2-way acoustic suspension type
Magnetically shielded type
Speaker: 9.5 cm x 1 cm direct drive + 2 cm dome
Power handling capacity:30 W
Impedance: 3 Ω
Frequency range: 100 Hz - 40 kHz
Sound pressure level: 78 dB/W•m
Dimensions (W x H x D):165 mm x 376 mm x 165 mm (including stand)
Weight (1 unit): 1.0 kg (including stand)

Left and right speakers for DD-1 (SP-DD1F)

Type: 2-way bass reflex type
Magnetically shielded type
Speaker: 10 cm cone + 4 cm cone
Power handling capacity:30 W
Impedance: 3 Ω
Frequency range: 55 Hz - 40 kHz
Sound pressure level: 83 dB/W•m
Dimensions (W x H x D):127 mm x 273 mm x 221 mm
Weight (1 unit): 2.6 kg

Center surround speaker for DD-8/DD-3 (SP-DD8S)

Type:	1-way acoustic suspension type Magnetically shielded type
Speaker:	9.5 cm x 1 cm direct-drive
Power handling capacity:	30 W
Impedance:	3 Ω
Frequency range:	120 Hz - 40 kHz
Sound pressure level:	79 dB/W•m
Dimensions (W x H x D):	344 mm x 61 mm x 76 mm (including stand)
Weight:	0.95 kg (including stand)

Center surround speaker for DD-1 (SP-DD1S)

Type:	1-way acoustic suspension type Magnetically shielded type
Speaker:	9.5 cm x 1 cm direct-drive
Power handling capacity:	30 W
Impedance:	3 Ω
Frequency range:	140 Hz - 40 kHz
Sound pressure level:	79 dB/W•m
Dimensions (W x H x D):	296 mm x 50 mm x 45 mm
Weight:	0.7 kg

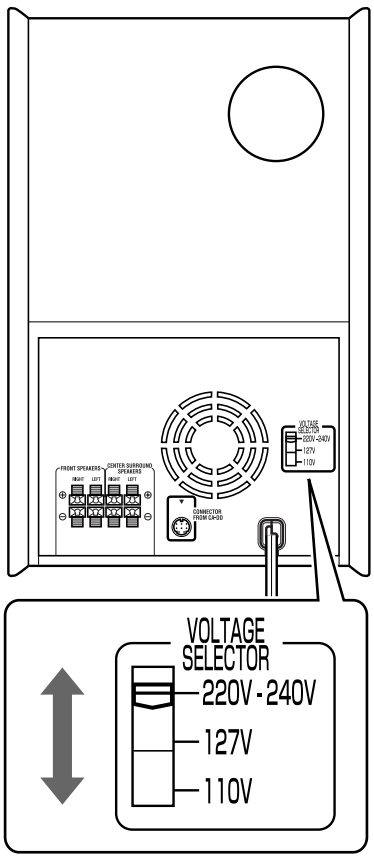
Designs and specifications are subject to change without notice.

Supplied accessories

- Remote control x 1
- Battery x 2
- FM antenna x 1
- AM loop antenna x 1
- Left/right speaker cable x 2
- Center surround speaker cable x 1 (Only for DD-8 and DD-3)
- System cable x 1
- Composite video cable x 1
- AC plug adaptor x 2 (Only for countries/areas other than Australia, Hong Kong or Middle Eastern countries)
- M4 x 25-mm screw for the stands of the left and right speakers x 6 (Only for DD-8)
- M4 x 16-mm screw for the stands of the left and right speakers x 6 (Only for DD-3)
- M5 x 14-mm screw for the stands of the center surround speaker x 2 (Only for DD-8 and DD-3)
- Bottom cover of the left and right speakers [for wall installation] x 2 (Only for DD-3)
- Main volume of the operation manual [this manual] x 1
- Separate volume of the operation manual for the network function x 1 (Only for DD-8 and DD-3)
- CD-ROM for the network function setup x 1 (Only for DD-8 and DD-3) [This CD-ROM is for use on a computer. It cannot be played back on this system.]

Mains (AC) Line Instruction
(Only for countries/areas other than Australia or Hong Kong)

Subwoofer (rear view)



CAUTION for mains (AC) line

BEFORE PLUGGING IN, do check that your mains (AC) line voltage corresponds with the position of the voltage selector switch provided on the outside of this equipment and, if different, reset the voltage selector switch, to prevent from a damage or risk of fire/electric shock.

JVC

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English

DD-8
DD-3

This manual explains the network function of this system.

SEPARATE VOLUME

INSTRUCTIONS FOR NETWORK FUNCTION

LVT1547-009C
[A, US, UB, UW, UX, UJ]

Information on DLNA

- DLNA CERTIFIED™ Audio/Video/Image Player
- This system complies with DLNA Guidelines 1.0.
- You can play back the following file types using the network function of this system.
  LPCM, WAV, MP3, WMA, JPEG, ASF, DivX, MPEG1, MPEG2

NOTE

- "DLNA" stands for "Digital Living Network Alliance". Refer to the following website for details.
  http://www.dlna.org/

CyberLink Media Server is a registered trademark along with other company and product names mentioned in this publication, used for identification purposes and remain the exclusive property of their respective owners.

DLNA and DLNA CERTIFIED are trademarks and/or service marks of Digital Living Network Alliance.

Microsoft, Windows, Windows XP are registered trademarks or trademarks of Microsoft Corporation in the United States and other countries.

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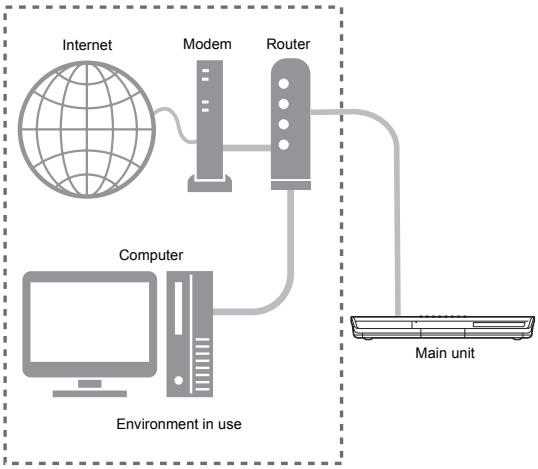
Introduction

Introduction to the network function

Outline of the network function

You can play back video, audio and still picture files stored on your computer by setting up the network with the computer and the main unit.



You must install CyberLink Media Server from the bundled CD-ROM to your computer.

CyberLink Media Server is a software application for sending video, audio and still picture files stored on your computer to the main unit.

The network can be easily set up without having to manually configure the IP address of the main unit by simply connecting a router with a DHCP function to the main unit. The DHCP function of the router automatically assigns the IP address to the main unit.

NOTE

- If the router does not have a DHCP function or you do not use the DHCP function, you must assign the IP address to the main unit manually.
- You can also use the network function by connecting the main unit to the computer directly. (Refer to page 19.)

File types compatible with this system

You can play back the following file types using the network function of this system.

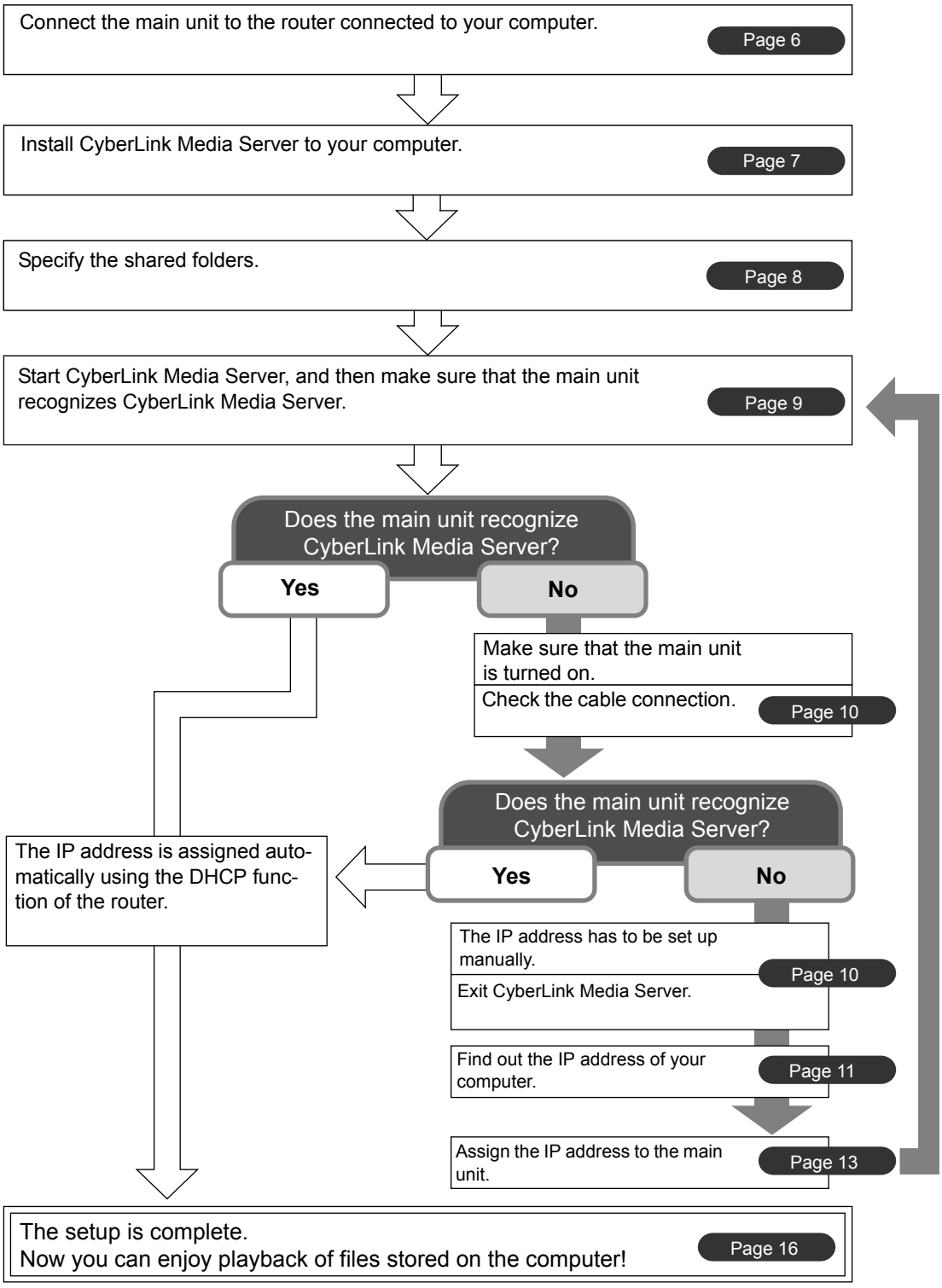
LPCM, WAV, MP3, WMA, JPEG, ASF, DivX, MPEG1, MPEG2

NOTE

- You cannot use the network function to play back a DivX DRM file stored on the connected computer.

General flow chart for the network function

Set up the system following the flow chart shown below. The procedure for setting up the system differs depending on your usage environment.


Connect the main unit to the router connected to your computer.
Page 6
Install CyberLink Media Server to your computer.
Page 7
Specify the shared folders.
Page 8
Start CyberLink Media Server, and then make sure that the main unit recognizes CyberLink Media Server.
Page 9
Does the main unit recognize CyberLink Media Server?
Yes
No
Make sure that the main unit is turned on.
Check the cable connection.
Page 10
Does the main unit recognize CyberLink Media Server?
Yes
No
The IP address is assigned automatically using the DHCP function of the router.
The IP address has to be set up manually.
Page 10
Exit CyberLink Media Server.
Find out the IP address of your computer.
Page 11
Assign the IP address to the main unit.
Page 13
The setup is complete.
Now you can enjoy playback of files stored on the computer!
Page 16

NOTE

- To connect the main unit to the computer directly, refer to “Connecting the main unit to the computer directly” on page 19.

Preparation

Set up your computer and network environment as follows.

Computer

You must install CyberLink Media Server from the bundled CD-ROM to your computer for playing back files stored on the computer with this system.

System Requirements

Operating system

- Requirement: Microsoft Windows XP Home Edition SP2, Windows XP Professional SP2, Windows XP Media Center Edition SP2

Processor

- Requirement: A 800 MHz processor, such as an Intel Pentium III or Advanced Micro Devices (AMD) processor
- Recommendation: A 2.0 GHz processor or faster

Random Access Memory (RAM)

- Requirement: 256 MB
- Recommendation: 512 MB

Free hard disk space

- Requirement: 50 MB
- Recommendation: 200 MB

Network Interface Card

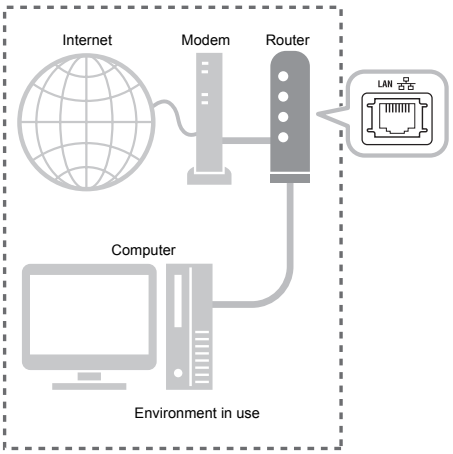
- Requirement: Ethernet (802.3) or WiFi (802.11a or 802.11g) network adapter

VGA

- Requirement: Intel, nVidia or ATI VGA card with 64 MB VRAM

Networking device

Make sure that there is an available LAN terminal on the router.



Also, make sure that there is an available Ethernet cable (straight-through cable, not supplied). This cable is used for connecting the router and the main unit as shown on page 6.

NOTE

- To connect the main unit to the computer directly, refer to “Connecting the main unit to the computer directly” on page 19.

Connection

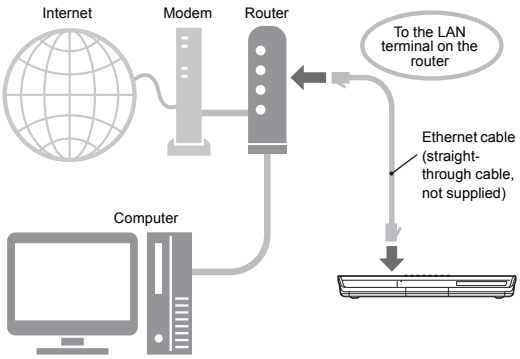
This part explains the procedure for connecting the main unit to the computer via a router with an Ethernet cable and confirming that the connection is completed properly.

NOTE

- Before following this procedure, connect the main unit, speakers and a TV referring to the main volume of the operation manual for this system.
- To connect the main unit to the computer directly, refer to “Connecting the main unit to the computer directly” on page 19.

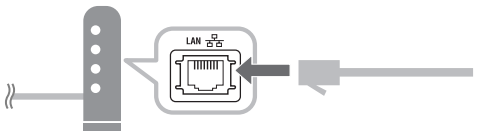
Connecting the main unit to the router

This part explains the procedure for connecting the main unit to the computer linked to the Internet via a router.

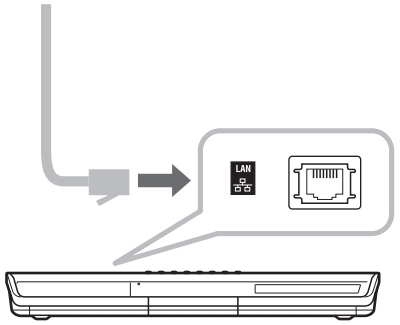


- The diagram shown above has been simplified by omitting the connection of the main unit, speakers and a TV. Refer to the main volume of the operation manual for connecting the devices shown above.
- The diagrams of the Internet and modem are omitted in the later explanations.

1 Connect one end of the Ethernet cable (straight-through cable, not supplied) to the LAN terminal on the router.



2 Connect the other end of the Ethernet cable to the LAN terminal on the main unit.



Installing CyberLink Media Server

The example TV and computer screenshots used in this manual may differ from the actual screen displays.

Installing CyberLink Media Server

CyberLink Media Server is a software application for sending video, audio and still picture files stored on your computer to the main unit.
This part explains the procedure for installing CyberLink Media Server from the bundled CD-ROM to the computer.

NOTE

- Make sure you close all anti-virus and other applications running on your computer before starting installation.
- This manual explains operations with the English version of both Windows XP and CyberLink Media Server as examples. Follow the explanation referring to the actual operations of your language version.
- Log onto the computer with administrative rights (Administrators).
- After installing CyberLink Media Server from the supplied CD-ROM, it is recommended that you upgrade CyberLink Media Server to enable you to utilize the latest functions. Refer to the website http://www.victor.co.jp/english/download/index-e.html for upgrading CyberLink Media Server.

(On the computer)

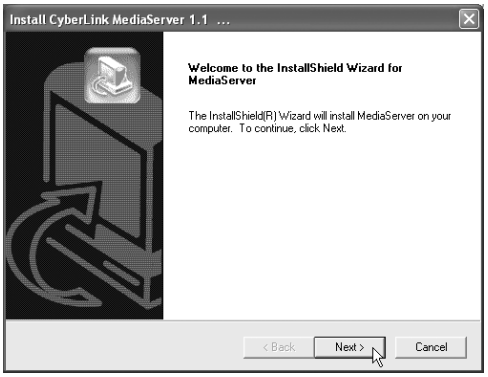
1 Start up Windows, and place the CyberLink Media Server Software CD-ROM into your computer's CD-ROM drive.

The installer should start up automatically, and display the screen shown below.

2 Select the language of the version you want to install, and then click [OK].

The program file runs and the "Install CyberLink MediaServer" window is displayed.

3 Click [Next >].


Install CyberLink MediaServer 1.1 ...
Welcome to the InstallShield Wizard for MediaServer
The InstallShield(R) Wizard will install MediaServer on your computer. To continue, click Next.
< Back
Next >
Cancel

The license agreement is displayed.

- After finishing this step, install CyberLink Media Server following the actual displayed explanations.

4 Confirm that the "CyberLink MediaServer" icon is displayed on the desktop.

You have finished installing CyberLink Media Server.

Specifying the shared folders

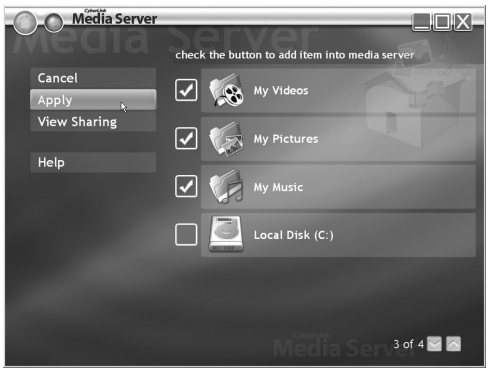
This part explains the procedure for selecting the default folders (“My Videos”, “My Pictures” and “My Music”) as examples.

(On the computer)

1 Double-click the “CyberLink MediaServer” icon on the desktop.

CyberLink Media Server starts.

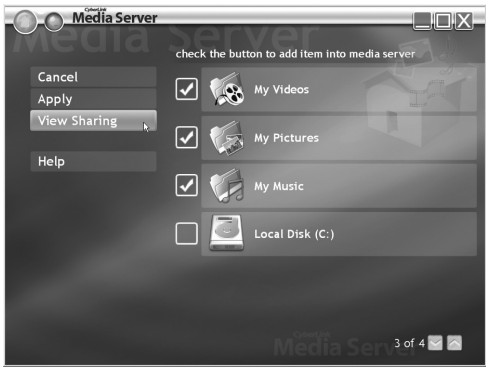
2 Select the check boxes next to “My Videos”, “My Pictures” and “My Music”, and click [Apply].



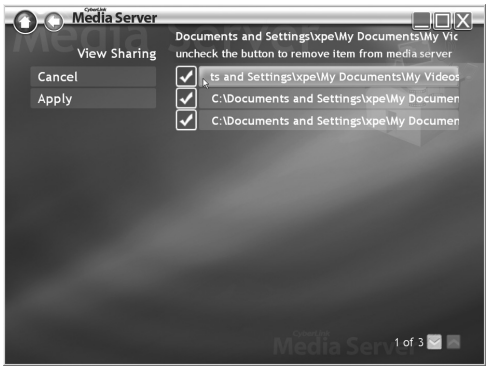
NOTE

- To select folders other than the default folders, refer to “Adding shared folders” on page 18.
- You can store files of different types in one folder. For example, even when video files and still picture files are stored in the “My Music” folder, you can play back those files.

3 Click [View Sharing].



4 Confirm that the names of the shared folders are displayed on the list.



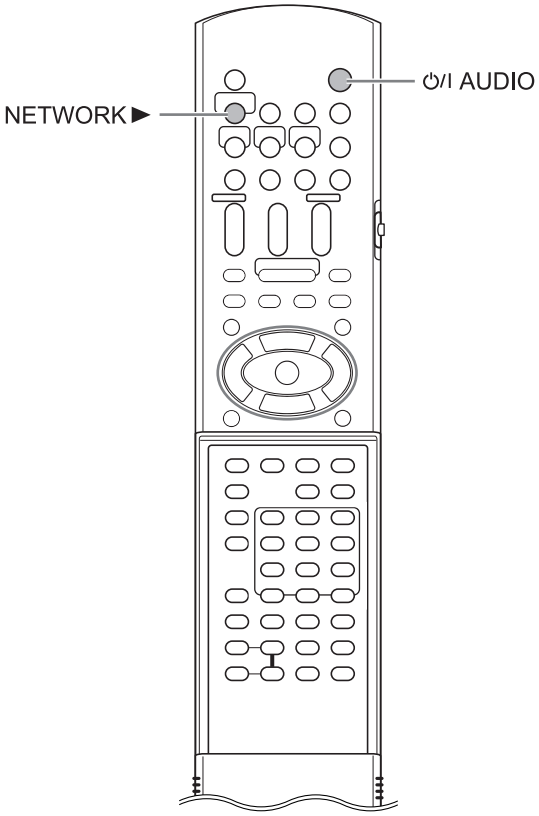
NOTE

- **To stop sharing a folder**
  Clear the check box next to it and click [Apply].
- **To go back to the previous screen**
  Click [←] in the upper left portion of the screen.
- **To exit CyberLink Media Server**
  Click [×] in the upper right portion of the screen.
- Before deleting a shared folder or file on the connected computer, cancel folder/file sharing on CyberLink Media Server.

Confirming the connection to the computer

This part explains how to start CyberLink Media Server for the first time and how to perform the following.

- Confirming that the main unit recognizes the computer.



Starting CyberLink Media Server

(On the remote control)

1 Press [⏻/I AUDIO] to turn on the main unit.

(On the computer)

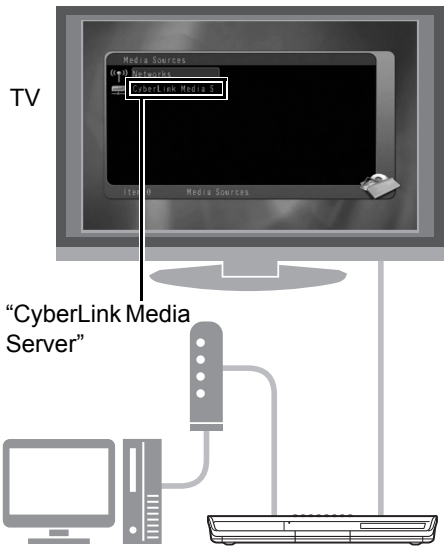
2 Double-click the "CyberLink MediaServer" icon on the desktop.

CyberLink Media Server starts.

(On the remote control)

3 Press [NETWORK ►].

4 Confirm that "CyberLink Media Server" is displayed on the TV screen.



Proceed to "Playing back files stored on the computer" on page 16.

If "CyberLink Media Server" is not displayed

The main unit may not detect the CyberLink Media Server for any of the following reasons. Determine the reason by referring to A and B shown below.

A The Ethernet cable may not be connected properly.

Possible cause:
The Ethernet cable may be of the wrong type (a crossover cable may be used) or may not be connected securely.

Possible solution:
Refer to "Connecting the main unit to the router" on page 6 to check that the Ethernet cable is a straight-through cable and is connected securely.

B You may be using a router that requires the IP addresses to be set up manually.

Possible cause:
The router connected to the main unit may not have a DHCP function that assigns the IP addresses automatically. Another possibility is that the IP addresses may be assigned manually without using the DHCP function of the router.

Possible solution:
The IP address of the main unit must be set up manually. Click [Cancel] to close the display on the computer screen and exit CyberLink Media Server. Next, assign the IP address to the main unit referring to "Setting up the IP address" on page 11.

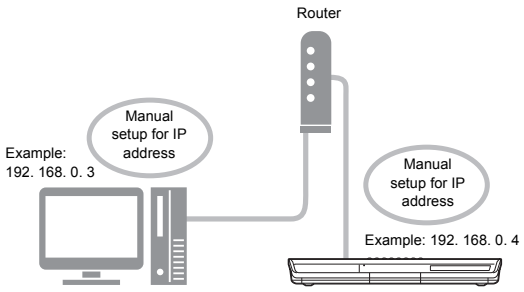
Setting up the IP address

You can skip this part when the main unit and the computer are connected to a router that uses DHCP function.

Occasions requiring the IP address setup

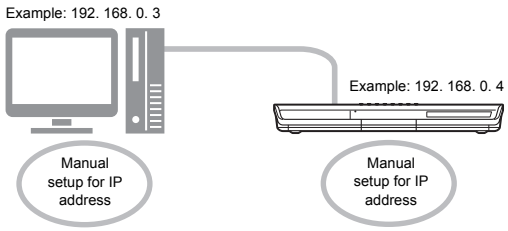
You must assign the IP address to the main unit manually in the following cases.

Case 1: When you have assigned an IP address to the computer manually



Case 2: When you have connected the main unit to the computer directly

Refer also to “Connecting the main unit to the computer directly” on page 19.



Determining the IP address of the computer

This part explains the procedure for determining the IP address of the computer by displaying the network setup.

NOTE

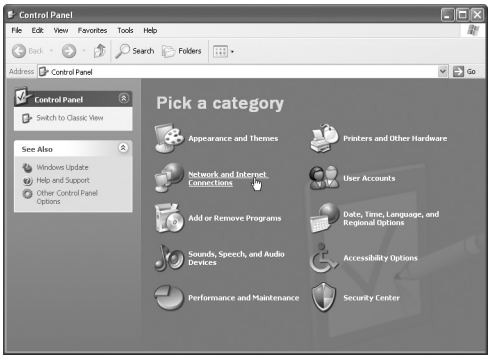
- Depending on the computer settings, you may need operations different from the explanation given in this part. Refer to “Help” in Windows for the following steps.

(On the computer)

1 Click [Start] and then “Control Panel”.

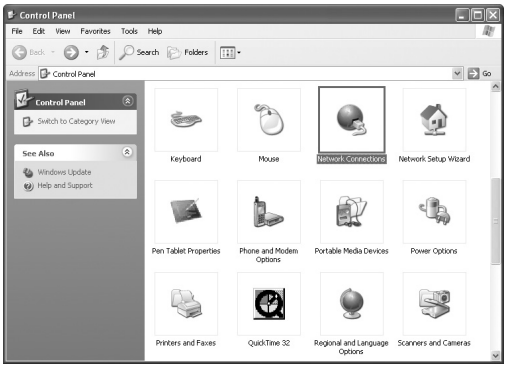
The “Control Panel” dialog box is displayed.

2 Click “Network and Internet Connections”.



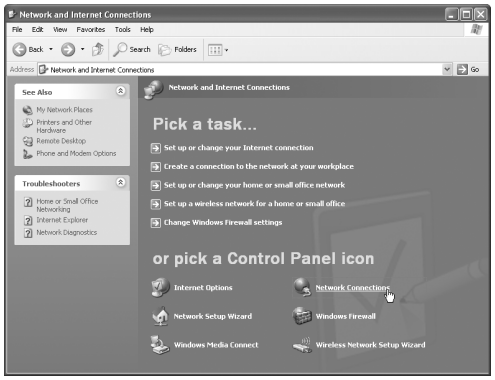
NOTE

- Depending on the computer settings, the “Control Panel” dialog box is displayed as shown below.

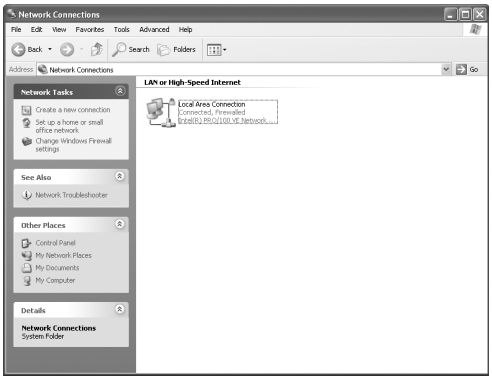


In this case, double-click the “Network Connections” icon and then proceed to step 4.

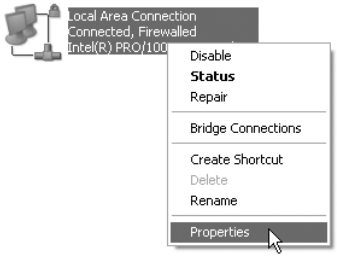
3 Click “Network Connections”.


Network and Internet Connections
Pick a task...
Set up or change your Internet connection
Create a connection to the network at your workplace
Set up or change your home or small office network
Set up a wireless network for a home or small office
Change Windows Firewall settings
or pick a Control Panel icon
Internet Options
Network Connections
Network Setup Wizard
Windows Firewall
Windows Media Connect
Wireless Network Setup Wizard

The “Network Connections” dialog box is displayed.

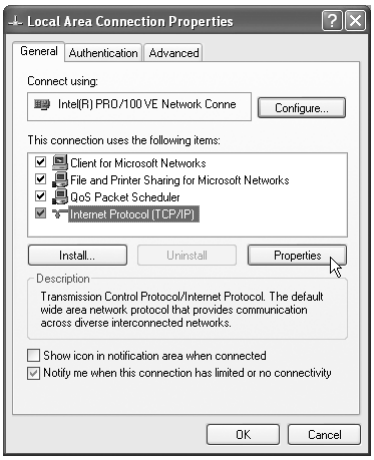


4 Right-click the “Local Area Connection” icon and then click [Properties].



The “Local Area Connection Properties” dialog box is displayed.

5 Click “Internet Protocol (TCP/IP)” and then click [Properties].

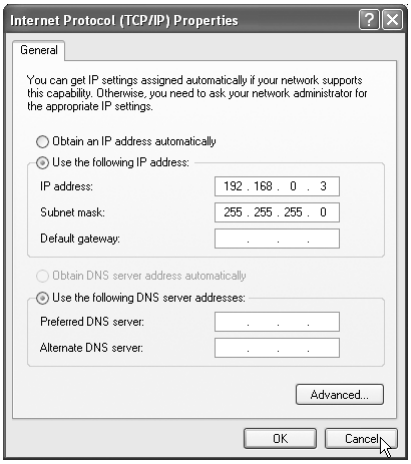


The “Internet Protocol (TCP/IP) Properties” dialog box is displayed.

(Continued on the next page.)

6 Confirm the values displayed in “IP address:” and “Subnet mask:”.

Example:


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 0 . 3
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

Fill out the blank column with the values.

(The values are to be used in step 8 on page 15.)

IP address	. . .
Subnet mask	. . .

7 Click [Cancel].

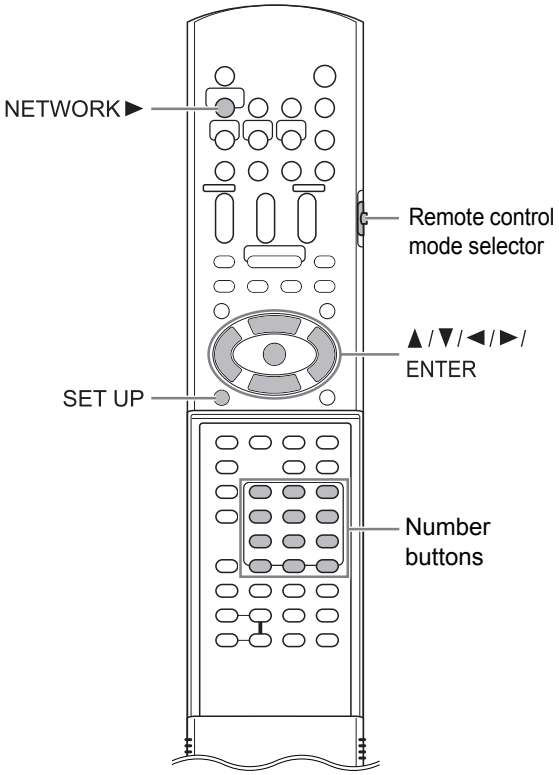
The dialog box is closed.

You have finished confirming the IP address of the computer.

Assigning the IP address to the main unit

This part explains the procedure for setting up the IP address of the main unit manually.

You can skip this part when the main unit and the computer are connected to a router using a DHCP function.

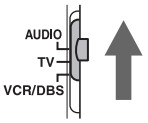


NOTE

- Before assigning the IP address to the main unit, press [NETWORK ►] to select the connected computer as the source. “NETWORK SETUP” on the preference screen is disabled when another source is selected.

(On the remote control)

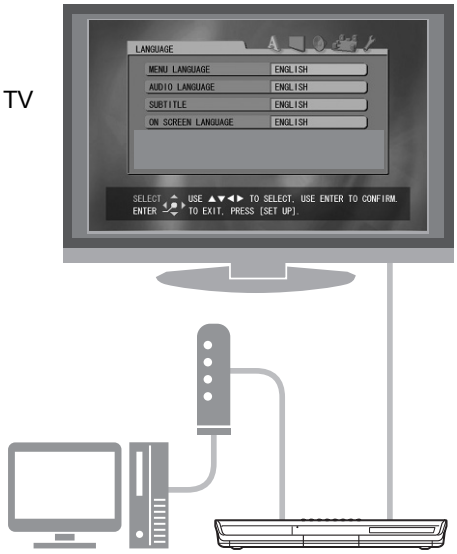
1 Slide the remote control mode selector to [AUDIO].



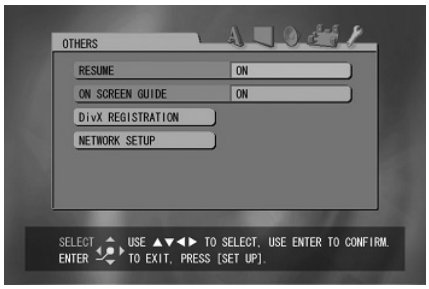
2 Press [SET UP] .

The preference screen is displayed on the TV screen.

TV


LANGUAGE
MENU LANGUAGE ENGLISH
AUDIO LANGUAGE ENGLISH
SUBTITLE ENGLISH
ON SCREEN LANGUAGE ENGLISH
SELECT ENTER USE ▲▼◄► TO SELECT, USE ENTER TO CONFIRM. TO EXIT, PRESS [SET UP].

3 Press ► repeatedly to display “OTHERS”.


OTHERS
RESUME ON
ON SCREEN GUIDE ON
DivX REGISTRATION
NETWORK SETUP
SELECT ENTER USE ▲▼◄► TO SELECT, USE ENTER TO CONFIRM. TO EXIT, PRESS [SET UP].

4 Press ▼ to select “NETWORK SETUP” and then press [ENTER].

NETWORK SETUP
OBTAIN IP DHCP
STATIC IP ADDRESS XXX.XXX.XXX.XXX
STATIC SUBNET MASK XXX.XXX.XXX.XXX
DEFAULT GATEWAY XXX.XXX.XXX.XXX
APPLY NOW
SELECT ENTER USE ▲▼◄► TO SELECT, USE ENTER TO CONFIRM. TO EXIT, PRESS [SET UP].

5 Select “OBTAIN IP” and then press [ENTER].

6 Press ▲ or ▼ to select “STATIC IP” and then press [ENTER].

NOTE

- When changing the Internet connection environment by using a DHCP router or other devices that assign IP addresses automatically, select “DHCP” for “OBTAIN IP”.

7 Press ▼ to select “STATIC IP ADDRESS” and then press [ENTER].

NETWORK SETUP
OBTAIN IP STATIC IP
STATIC IP ADDRESS
STATIC SUBNET MASK
DEFAULT GATEWAY XXX.XXX.XXX.XXX
APPLY NOW
SELECT ENTER USE 0~9 KEYS TO INPUT, USE ENTER TO CONFIRM. TO EXIT, PRESS [SET UP].

(Continued on the next page.)

8 Enter the IP address using the number buttons.

Confirm the IP address you have written down in the column on page 13.

Enter the same values of the IP address of the computer into the first, second and third group of digits (the first, second and third numerical blocks from the left).

Enter an arbitrary value (1 - 254) other than the one used in the IP address of the computer into the fourth group of digits (the first numerical block from the right).

Example for setup:

IP address of the computer	192.168. 0. 3 (=192.168.000.003)
IP address of the main unit	192.168.000.004

The first group
The second group
The third group
The fourth group (Only this value should be different from the one of the computer IP address.)

Note that the fourth group of digits should be different from the ones of other devices connected to the network.

9 Press [ENTER].

10 Press ▼ to select “STATIC SUBNET MASK” and then press [ENTER].

11 Enter the subnet mask using the number buttons.

Confirm the subnet mask you have written down in the column on page 13, and then enter the same value.

Example for setup:

Subnet mask of the computer	255.255.255. 0 (=255.255.255.000)
Subnet mask of the main unit	255.255.255.000

12 Press [ENTER].

13 Press ▼ to select “APPLY NOW” and then press [ENTER].

The settings are stored.

You have finished setting up the IP address of the main unit. Return to page 8.

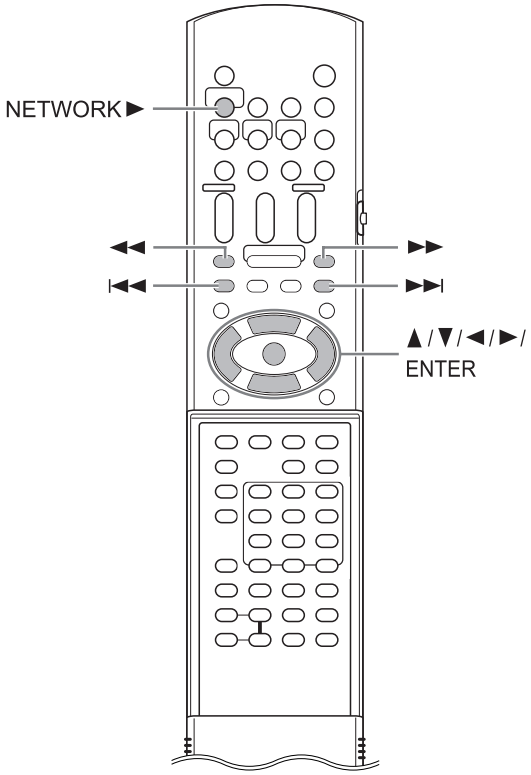
NOTE

- Usually, you do not have to set “DEFAULT GATEWAY”.
  For normal usage, leave the initial setting unchanged. Set “DEFAULT GATEWAY” only when you want to play back files stored on a computer that belongs to another network.

Playing back files stored on the computer

Playing back audio files

This part explains the procedure for playing back audio files stored on the computer.
You can play back video files and still picture files with almost the same procedure.



(On the computer)

1 Start CyberLink Media Server.

(On the remote control)

2 Press [NETWORK ►].

"CyberLink Media Server" is displayed.

"CyberLink Media Server"

3 Press ▼ to select "CyberLink Media Server".

Selected item is highlighted.

NOTE

- Store files you want to play back in the shared folders before proceeding.
- This part explains the procedure for playing back the "TRACK0001" file stored in the "My Music" folder as an example.
- Refer to the main volume of the operation manual for details on operating the main unit.

(Continued on the next page.)

4 Press [ENTER].

The shared folders are displayed.

Example:

5 Press ▼ to select “My Music”.

6 Press [ENTER].

The list of the audio files is displayed.

NOTE

- If the file list is not displayed, confirm that the files you want to play back are stored in the shared folder.

7 Press ▲ or ▼ to select the file you want to play back.

8 Press [ENTER].

Playback starts.

Press ■ to stop playback.

NOTE

- You can use the buttons shown below to navigate among the pages.
  Pressing ◄ or ► displays the previous or next page.
  Pressing ◄◄ or ►► skips 10 pages forward or backward.
  Pressing I◄◄ or ►►I skips to the top or bottom of the folder/file list.
- This part only explains the basic procedure for playing back files.

Adding shared folders

This part explains the procedure for adding shared folders (folders in which files you want to play back are stored).
You can add a shared folder, by 1) storing the desired folder in one of the default folders, and then 2) selecting the desired folder using CyberLink Media Server.

NOTE

- You can also access the desired folder from CyberLink Media Server by moving down from the local disk to the subdirectories.
- This part explains the procedure for storing the “DATA” folder in the default “My Videos” folder and adding the “DATA” folder to the shared folders as examples.

1 Store the “DATA” folder in the “My Videos” folder using Windows.

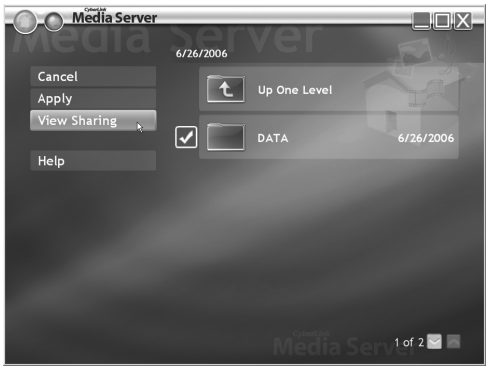
2 Double-click the “CyberLink MediaServer” icon on the desktop.

CyberLink Media Server starts.

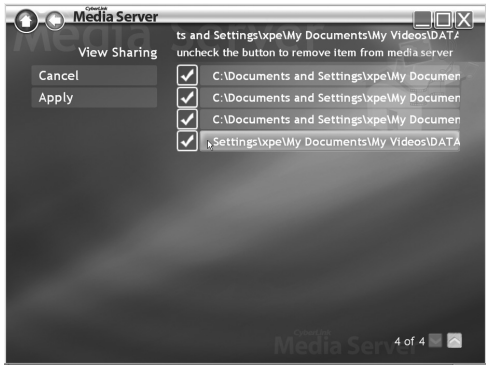
3 Click [My Videos].

4 Select the check box next to [DATA], and click [Apply].

5 Click [View Sharing].



6 Confirm that the “DATA” folder is added to the list of shared folders.



NOTE

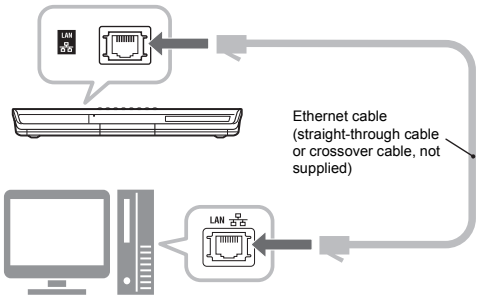
- **To stop sharing a folder**
  Clear the check box next to it and click [Apply].
- **To go back to the previous screen**
  Click [←] in the upper left portion of the screen.
- **To exit CyberLink Media Server**
  Click [×] in the upper right portion of the screen.

Connecting the main unit to the computer directly

This part explains the procedure for connecting the main unit to the computer directly.

You must install CyberLink Media Server to your computer before connecting the main unit to the computer. (Refer to page 7.)

1 Connect the main unit and the computer as shown in the diagram below.



2 Set up the computer so that it can obtain its IP address automatically.

Select “Obtain an IP address automatically” in step 6 on page 13, and then click [OK].

3 Set up the main unit so that it can obtain its IP address automatically.

Select “DHCP”, and then click [ENTER] in step 6 on page 14. (“DHCP” is selected as the initial setting.)
The main unit and the computer start to obtain the IP addresses recognizable by each other. Wait about one minute until the setup is complete.

NOTE

- You can also assign arbitrary values for the IP addresses by following pages 11 to 15.

4 Confirm the connection to the computer.

Set up the shared folders referring to “Specifying the shared folders” on page 8 and “Confirming the connection to the computer” on page 9.

- After finishing the shared folder setup, proceed to “Playing back files stored on the computer” on page 16.

Troubleshooting

Problem	Possible cause	Possible solution	Reference page
Files stored on the computer are not displayed.	The Ethernet cable is not connected.	Make sure the Ethernet cable is connected properly. (Insert the Ethernet cable until it clicks.)	6
	A wrong cable is used.	When connecting the main unit to a router, use a straight-through cable.	6
	CyberLink Media Server is not installed.	Install CyberLink Media Server to the computer.	7
	Incorrect IP addresses have been set manually. (When DHCP function is not used)	Check that the same values are set in the first, second and third group of digits and different values are set in the fourth group of digits for the main unit and the computer.	11-15
A file is not played back properly.	Another device is using the network connected to the main unit.	If another device is using the network while the main unit is playing back a file, the network may be confused, image frames may drop and sound may skip. Remove the device from the network before playing back a file.	-
A video, audio or still picture file cannot be played back.	The file type is not compatible with this system.	Use a file of the playable type.	3
	The file is corrupted.	You cannot play back a corrupted file.	-

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